

Barge ID	Barge Number	UOM	Gauge Type	Date Strapped	Strapped By	Comment
AO	461	BARRELS	INNAGE	9/24/1992	SAYBOLT	RIM OF HATCH OPPOSITE HINGE LOCATED ON EXPANSION TRUNK

Barge ID	Barge Number	Comp	Height	Gauge
AO	461	1 PORT	202.250	
AO	461	1 STAR	202.500	
AO	461	2 PORT	202.250	
AO	461	2 STAR	202.750	
AO	461	3 PORT	202.000	
AO	461	3 STAR	202.500	

BARGE AO-461
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	12 FT	13 FT	14 FT
0	3.13	220.02	501.63	825.84	1,160.98	1,496.12	1,831.25	2,166.39	2,501.52	2,836.66	3,171.80	3,506.93	3,842.07	4,177.20	4,512.34
1/4	4.17	225.47	508.03	832.83	1,167.96	1,503.10	1,838.23	2,173.37	2,508.51	2,843.64	3,178.78	3,513.91	3,849.05	4,184.19	4,519.32
1/2	6.28	230.93	514.42	839.81	1,174.94	1,510.08	1,845.22	2,180.35	2,515.49	2,850.62	3,185.76	3,520.90	3,856.03	4,191.17	4,526.30
3/4	8.39	236.39	520.82	846.79	1,181.93	1,517.06	1,852.20	2,187.33	2,522.47	2,857.61	3,192.74	3,527.88	3,863.01	4,198.15	4,533.29
1	10.50	241.84	527.21	853.77	1,188.91	1,524.04	1,859.18	2,194.32	2,529.45	2,864.59	3,199.72	3,534.86	3,870.00	4,205.13	4,540.27
1/4	12.61	247.30	533.61	860.75	1,195.89	1,531.03	1,866.16	2,201.30	2,536.43	2,871.57	3,206.71	3,541.84	3,876.98	4,212.11	4,547.25
1/2	15.79	252.75	540.00	867.74	1,202.87	1,538.01	1,873.14	2,208.28	2,543.42	2,878.55	3,213.69	3,548.82	3,883.96	4,219.10	4,554.23
3/4	18.87	258.21	546.40	874.72	1,209.85	1,544.99	1,880.13	2,215.26	2,550.40	2,885.53	3,220.67	3,555.81	3,890.94	4,226.08	4,560.83
2	22.15	263.67	552.79	881.70	1,216.84	1,551.97	1,887.11	2,222.24	2,557.38	2,892.52	3,227.65	3,562.79	3,897.92	4,233.06	4,567.42
1/4	25.33	269.12	559.19	888.68	1,223.82	1,558.95	1,894.09	2,229.23	2,564.36	2,899.50	3,234.63	3,569.77	3,904.91	4,240.04	4,574.01
1/2	29.68	274.81	565.82	895.66	1,230.80	1,565.94	1,901.07	2,236.21	2,571.34	2,906.48	3,241.82	3,576.75	3,911.89	4,247.02	4,580.61
3/4	34.03	280.50	572.45	902.65	1,237.78	1,572.92	1,908.05	2,243.19	2,578.33	2,913.46	3,248.60	3,583.73	3,918.87	4,254.01	4,586.43
3	38.39	286.19	579.08	909.63	1,244.76	1,579.90	1,915.04	2,250.17	2,585.31	2,920.44	3,255.58	3,590.72	3,925.85	4,260.99	4,592.24
1/4	43.14	291.89	585.71	916.61	1,251.75	1,586.88	1,922.02	2,257.15	2,592.29	2,927.43	3,262.56	3,597.70	3,932.83	4,267.97	4,598.06
1/2	47.89	297.58	592.34	923.59	1,258.73	1,593.86	1,929.00	2,264.14	2,599.27	2,934.41	3,269.54	3,604.68	3,939.82	4,274.95	4,603.88
3/4	52.84	303.27	598.97	930.57	1,265.71	1,600.85	1,935.98	2,271.12	2,606.25	2,941.39	3,276.53	3,611.66	3,946.80	4,281.93	4,608.92
4	57.39	308.96	605.60	937.56	1,272.69	1,607.83	1,942.96	2,278.10	2,613.24	2,948.37	3,283.51	3,618.64	3,953.78	4,288.92	4,613.96
1/4	62.15	314.65	612.23	944.54	1,279.67	1,614.81	1,949.95	2,285.08	2,620.22	2,955.35	3,290.49	3,625.63	3,960.76	4,295.90	4,619.01
1/2	66.90	320.34	618.86	951.52	1,286.66	1,621.79	1,956.93	2,292.06	2,627.20	2,962.34	3,297.47	3,632.61	3,967.74	4,302.88	4,624.05
3/4	71.65	326.03	625.49	958.50	1,293.64	1,628.77	1,963.91	2,299.05	2,634.18	2,969.32	3,304.45	3,639.59	3,974.73	4,309.86	4,628.31
5	75.40	331.72	632.12	965.48	1,300.62	1,635.76	1,970.89	2,306.03	2,641.16	2,976.30	3,311.44	3,646.57	3,981.71	4,316.84	4,632.58
1/4	81.15	337.41	638.75	972.47	1,307.60	1,642.72	1,977.87	2,313.01	2,648.15	2,983.28	3,318.42	3,653.55	3,988.69	4,323.83	4,637.85
1/2	86.14	343.34	645.61	979.45	1,314.58	1,649.74	1,984.86	2,319.99	2,655.13	2,990.26	3,325.40	3,660.54	3,995.67	4,330.81	4,641.11
3/4	91.13	349.27	652.47	986.43	1,321.57	1,656.70	1,991.84	2,326.97	2,662.11	2,997.25	3,332.38	3,667.52	4,002.65	4,337.79	4,644.80
6	96.11	355.19	659.34	993.41	1,328.55	1,663.68	1,998.82	2,333.96	2,669.09	3,004.23	3,339.36	3,674.50	4,009.64	4,344.77	4,648.09
1/4	101.10	361.12	666.20	1,000.39	1,335.53	1,670.67	2,005.80	2,340.94	2,676.07	3,011.21	3,346.35	3,681.48	4,016.62	4,351.75	4,653.58
1/2	106.09	367.04	673.07	1,007.38	1,342.51	1,677.65	2,012.78	2,347.92	2,683.06	3,018.19	3,353.33	3,688.46	4,023.60	4,358.74	4,659.07
3/4	111.08	372.97	679.93	1,014.36	1,349.49	1,684.63	2,019.77	2,354.90	2,690.04	3,025.17	3,360.31	3,695.45	4,030.58	4,365.72	4,664.79
7	116.06	378.90	686.79	1,021.34	1,356.48	1,691.61	2,026.75	2,361.88	2,697.02	3,032.16	3,367.29	3,702.43	4,037.56	4,372.70	4,669.50
1/4	121.05	384.82	693.66	1,028.32	1,363.46	1,698.59	2,033.73	2,368.87	2,704.00	3,039.14	3,374.27	3,709.41	4,044.55	4,379.68	4,674.81
1/2	126.04	390.75	700.52	1,035.30	1,370.44	1,705.58	2,040.71	2,375.85	2,710.98	3,046.12	3,381.26	3,716.39	4,051.53	4,386.66	4,680.33
3/4	131.02	396.67	707.39	1,042.29	1,377.42	1,712.56	2,047.69	2,382.83	2,717.97	3,053.10	3,388.24	3,723.37	4,058.51	4,393.65	4,685.93
8	136.01	402.60	714.25	1,049.27	1,384.40	1,719.54	2,054.68	2,389.81	2,724.95	3,060.08	3,395.22	3,730.36	4,065.49	4,400.63	4,691.00
1/4	141.00	408.53	721.11	1,056.25	1,391.39	1,726.52	2,061.66	2,396.79	2,731.93	3,067.07	3,402.20	3,737.34	4,072.47	4,407.61	4,696.80
1/2	146.22	414.69	728.10	1,063.23	1,398.37	1,733.50	2,068.64	2,403.78	2,738.91	3,074.05	3,409.18	3,744.32	4,079.46	4,414.59	4,702.47
3/4	151.44	420.85	735.08	1,070.21	1,405.35	1,740.49	2,075.62	2,410.76	2,745.89	3,081.03	3,416.17	3,751.30	4,086.44	4,421.57	4,708.44
9	156.66	427.01	742.06	1,077.20	1,412.33	1,747.47	2,082.60	2,417.74	2,752.88	3,088.01	3,423.15	3,758.28	4,093.42	4,428.56	4,714.52
1/4	161.88	433.17	749.04	1,084.18	1,419.31	1,754.45	2,089.59	2,424.72	2,759.86	3,094.99	3,430.13	3,765.27	4,100.40	4,435.54	4,720.49
1/2	167.10	439.33	756.02	1,091.16	1,426.30	1,761.43	2,096.57	2,431.70	2,766.84	3,101.98	3,437.11	3,772.25	4,107.38	4,442.52	4,726.46
3/4	172.32	445.49	763.01	1,098.14	1,433.28	1,768.41	2,103.55	2,438.69	2,773.82	3,108.96	3,444.09	3,779.23	4,114.37	4,449.50	4,732.43
10	177.54	451.65	769.99	1,105.12	1,440.26	1,775.40	2,110.53	2,445.67	2,780.80	3,115.94	3,451.08	3,786.21	4,121.35	4,456.48	4,738.40
1/4	182.77	457.81	776.97	1,112.11	1,447.24	1,782.38	2,117.51	2,452.65	2,787.79	3,122.92	3,458.06	3,793.19	4,128.33	4,463.47	4,744.37
1/2	187.99	463.97	783.95	1,119.09	1,454.22	1,789.36	2,124.50	2,459.63	2,794.77	3,129.90	3,465.04	3,800.18	4,135.31	4,470.45	4,750.44
3/4	193.21	470.13	790.95	1,126.07	1,461.21	1,796.34	2,131.48	2,466.61	2,801.75	3,136.89	3,472.02	3,807.16	4,142.29	4,477.43	4,756.41
11	198.43	476.29	797.92	1,133.05	1,468.19	1,803.32	2,138.46	2,473.60	2,808.73	3,143.87	3,479.00	3,814.14	4,149.28	4,484.41	4,762.38
1/4	203.65	482.45	804.90	1,140.03	1,475.17	1,810.31	2,145.44	2,480.58	2,815.71	3,150.85	3,485.99	3,821.12	4,156.26	4,491.39	4,768.35
1/2	209.11	488.64	811.88	1,147.02	1,482.15	1,817.29	2,152.42	2,487.56	2,822.70	3,157.83	3,492.97	3,828.10	4,163.24	4,498.38	4,774.32
3/4	214.56	495.24	818.86	1,154.00	1,489.13	1,824.27	2,159.41	2,494.54	2,829.68	3,164.81	3,499.95	3,835.09	4,170.22	4,505.36	4,780.29

BARGE AO-461
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	12 FT	13 FT	14 FT
0	1.04	209.11	488.84	811.88	1,147.02	1,482.15	1,817.29	2,152.42	2,487.56	2,822.70	3,157.83	3,492.97	3,828.10	4,163.24	4,498.38
1/4	2.08	214.56	495.24	818.86	1,154.00	1,489.13	1,824.27	2,159.41	2,494.54	2,829.68	3,164.81	3,499.95	3,835.09	4,170.22	4,505.36
1/2	3.13	220.02	501.63	825.84	1,160.98	1,496.12	1,831.25	2,166.39	2,501.52	2,836.66	3,171.80	3,506.93	3,842.07	4,177.20	4,512.34
3/4	4.17	225.47	508.03	832.83	1,167.96	1,503.10	1,838.23	2,173.37	2,508.51	2,843.64	3,178.78	3,513.91	3,849.05	4,184.19	4,519.32
1	6.28	230.93	514.42	839.81	1,174.94	1,510.08	1,845.22	2,180.35	2,515.49	2,850.62	3,185.76	3,520.90	3,856.03	4,191.17	4,526.30
1/4	8.39	236.39	520.82	846.79	1,181.93	1,517.06	1,852.20	2,187.33	2,522.47	2,857.61	3,192.74	3,527.88	3,863.01	4,198.15	4,533.29
1/2	10.50	241.84	527.21	853.77	1,188.91	1,524.04	1,859.18	2,194.32	2,529.45	2,864.59	3,199.72	3,534.86	3,870.00	4,205.13	4,540.27
3/4	12.61	247.30	533.61	860.75	1,195.89	1,531.03	1,866.16	2,201.30	2,536.43	2,871.57	3,206.71	3,541.84	3,876.98	4,212.11	4,547.25
2	15.79	252.75	540.00	867.74	1,202.87	1,538.01	1,873.14	2,208.28	2,543.42	2,878.55	3,213.69	3,548.82	3,883.96	4,219.10	4,554.23
1/4	18.97	258.21	546.40	874.72	1,209.85	1,544.99	1,880.13	2,215.26	2,550.40	2,885.53	3,220.67	3,555.81	3,890.94	4,226.08	4,560.83
1/2	22.15	263.67	552.79	881.70	1,216.84	1,551.97	1,887.11	2,222.24	2,557.38	2,892.52	3,227.65	3,562.79	3,897.92	4,233.06	4,567.42
3/4	25.33	269.12	559.19	888.68	1,223.82	1,558.95	1,894.09	2,228.23	2,564.36	2,898.50	3,234.63	3,569.77	3,904.91	4,240.04	4,574.01
3	29.68	274.81	565.82	895.66	1,230.80	1,565.94	1,901.07	2,236.21	2,571.34	2,906.48	3,241.62	3,576.75	3,911.89	4,247.02	4,580.61
1/4	34.03	280.50	572.45	902.65	1,237.78	1,572.92	1,908.05	2,243.19	2,578.33	2,913.46	3,248.60	3,583.73	3,918.87	4,254.01	4,586.43
1/2	38.39	286.19	579.08	909.63	1,244.76	1,579.90	1,915.04	2,250.17	2,585.31	2,920.44	3,255.58	3,590.72	3,925.85	4,260.99	4,592.24
3/4	43.14	291.89	585.71	916.61	1,251.75	1,586.88	1,922.02	2,257.15	2,592.29	2,927.43	3,262.56	3,597.70	3,932.83	4,267.97	4,598.06
4	47.89	297.58	592.34	923.59	1,258.73	1,593.86	1,929.00	2,264.14	2,599.27	2,934.41	3,269.54	3,604.68	3,939.82	4,274.95	4,603.88
1/4	52.64	303.27	598.97	930.57	1,265.71	1,600.85	1,935.98	2,271.12	2,606.25	2,941.39	3,276.53	3,611.66	3,946.80	4,281.93	4,609.92
1/2	57.39	308.96	605.60	937.56	1,272.69	1,607.83	1,942.96	2,278.10	2,613.24	2,948.37	3,283.51	3,618.64	3,953.78	4,288.92	4,613.96
3/4	62.15	314.65	612.23	944.54	1,279.67	1,614.81	1,949.95	2,285.08	2,620.22	2,955.35	3,290.49	3,625.63	3,960.76	4,295.90	4,619.01
5	66.90	320.34	618.86	951.52	1,286.66	1,621.79	1,956.93	2,292.06	2,627.20	2,962.34	3,297.47	3,632.61	3,967.74	4,302.88	4,624.05
1/4	71.65	326.03	625.49	958.50	1,293.64	1,628.77	1,963.91	2,299.05	2,634.18	2,969.32	3,304.45	3,639.59	3,974.73	4,309.86	4,628.31
1/2	76.40	331.72	632.12	965.48	1,300.62	1,635.76	1,970.89	2,306.03	2,641.16	2,976.30	3,311.44	3,646.57	3,981.71	4,316.84	4,632.58
3/4	81.15	337.41	638.75	972.47	1,307.60	1,642.74	1,977.87	2,313.01	2,648.15	2,983.28	3,318.42	3,653.55	3,988.69	4,323.83	4,636.85
6	86.14	343.34	645.61	979.45	1,314.58	1,649.72	1,984.86	2,319.99	2,655.13	2,990.26	3,325.40	3,660.57	3,995.67	4,330.81	4,641.11
1/4	91.13	349.27	652.47	986.43	1,321.57	1,656.70	1,991.84	2,326.97	2,662.11	2,997.25	3,332.38	3,667.52	4,002.65	4,337.79	4,646.60
1/2	96.11	355.19	659.34	993.41	1,328.55	1,663.68	1,998.82	2,333.96	2,669.09	3,004.23	3,339.36	3,674.50	4,009.64	4,344.77	4,651.58
3/4	101.10	361.12	666.20	1,000.39	1,335.53	1,670.67	2,005.80	2,340.94	2,676.07	3,011.21	3,346.35	3,681.48	4,016.62	4,351.75	4,656.57
7	106.09	367.04	673.07	1,007.38	1,342.51	1,677.65	2,012.78	2,347.92	2,683.06	3,018.19	3,353.33	3,688.46	4,023.60	4,358.74	4,661.55
1/4	111.08	372.97	679.93	1,014.36	1,349.49	1,684.63	2,019.77	2,354.90	2,690.04	3,025.17	3,360.31	3,695.45	4,030.58	4,365.72	4,666.50
1/2	116.06	378.90	686.79	1,021.34	1,356.48	1,691.61	2,026.75	2,361.88	2,697.02	3,032.16	3,367.29	3,702.43	4,037.56	4,372.70	4,671.48
3/4	121.05	384.82	693.66	1,028.32	1,363.46	1,698.59	2,033.73	2,368.87	2,704.00	3,039.14	3,374.27	3,709.41	4,044.55	4,379.68	4,676.46
8	126.04	390.75	700.52	1,035.30	1,370.44	1,705.58	2,040.71	2,375.85	2,710.98	3,046.12	3,381.26	3,716.39	4,051.53	4,386.66	4,681.44
1/4	131.02	396.67	707.39	1,042.29	1,377.42	1,712.56	2,047.69	2,382.83	2,717.97	3,053.10	3,388.24	3,723.37	4,058.51	4,393.65	4,686.42
1/2	136.01	402.60	714.25	1,049.27	1,384.40	1,719.54	2,054.68	2,389.81	2,724.95	3,060.08	3,395.22	3,730.36	4,065.49	4,400.63	4,691.40
3/4	141.00	408.53	721.11	1,056.25	1,391.39	1,726.52	2,061.66	2,396.79	2,731.93	3,067.07	3,402.20	3,737.34	4,072.47	4,407.61	4,696.38
9	146.22	414.69	728.10	1,063.23	1,398.37	1,733.50	2,068.64	2,403.78	2,738.91	3,074.05	3,409.18	3,744.32	4,079.46	4,414.59	4,701.36
1/4	151.44	420.85	735.08	1,070.21	1,405.35	1,740.47	2,075.62	2,410.76	2,745.89	3,081.03	3,416.17	3,751.30	4,086.44	4,421.57	4,706.34
1/2	156.66	427.01	742.06	1,077.20	1,412.33	1,747.49	2,082.60	2,417.74	2,752.88	3,088.01	3,423.15	3,758.28	4,093.42	4,428.56	4,711.32
3/4	161.88	433.17	749.04	1,084.18	1,419.31	1,754.45	2,089.59	2,424.72	2,759.86	3,094.99	3,430.13	3,765.27	4,100.40	4,435.54	4,716.30
10	167.10	439.33	756.02	1,091.16	1,426.30	1,761.43	2,096.57	2,431.70	2,766.84	3,101.98	3,437.11	3,772.25	4,107.38	4,442.52	4,721.28
1/4	172.32	445.49	763.01	1,098.14	1,433.28	1,768.41	2,103.55	2,438.69	2,773.82	3,108.96	3,444.09	3,779.23	4,114.37	4,449.50	4,726.26
1/2	177.54	451.65	769.99	1,105.12	1,440.26	1,775.40	2,110.53	2,445.67	2,780.80	3,115.94	3,451.08	3,786.21	4,121.35	4,456.48	4,731.24
3/4	182.77	457.81	776.97	1,112.11	1,447.24	1,782.38	2,117.51	2,452.65	2,787.79	3,122.92	3,458.06	3,793.19	4,128.33	4,463.47	4,736.22
11	187.99	463.91	783.95	1,119.09	1,454.22	1,789.36	2,124.50	2,459.63	2,794.77	3,129.90	3,465.04	3,800.18	4,135.31	4,470.45	4,741.20
1/4	193.21	470.13	790.93	1,126.07	1,461.21	1,796.34	2,131.48	2,466.61	2,801.75	3,136.89	3,472.02	3,807.16	4,142.29	4,477.43	4,746.18
1/2	198.43	476.29	797.92	1,133.05	1,468.19	1,803.32	2,138.46	2,473.60	2,808.73	3,143.87	3,479.00	3,814.14	4,149.28	4,484.41	4,751.16
3/4	203.65	482.45	804.90	1,140.03	1,475.17	1,810.31	2,145.44	2,480.58	2,815.71	3,150.85	3,485.99	3,821.12	4,156.26	4,491.39	4,756.14

BARGE AO-461
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	12 FT	13 FT	14 FT
0	2.07	330.42	703.62	1,076.82	1,450.02	1,823.22	2,196.42	2,569.62	2,942.82	3,316.02	3,689.22	4,062.42	4,435.62	4,808.82	5,182.02
1/4	3.11	338.20	711.40	1,084.60	1,457.80	1,831.00	2,204.20	2,577.40	2,950.60	3,323.80	3,697.00	4,070.20	4,443.40	4,816.60	5,189.80
1/2	4.14	345.97	719.17	1,092.37	1,465.57	1,838.77	2,211.97	2,585.17	2,958.37	3,331.57	3,704.77	4,077.97	4,451.17	4,824.37	5,197.57
3/4	7.25	353.75	726.95	1,100.15	1,473.35	1,846.55	2,219.75	2,592.95	2,966.15	3,339.35	3,712.55	4,085.75	4,458.95	4,832.15	5,205.35
1	10.36	361.52	734.72	1,107.92	1,481.12	1,854.32	2,227.52	2,600.72	2,973.92	3,347.12	3,720.32	4,093.52	4,466.72	4,839.92	5,213.12
1/4	13.47	369.30	742.50	1,115.70	1,488.90	1,862.10	2,235.30	2,608.50	2,981.70	3,354.90	3,728.10	4,101.30	4,474.50	4,847.70	5,220.90
1/2	16.58	377.07	750.27	1,123.47	1,496.67	1,869.87	2,243.07	2,616.27	2,989.47	3,362.67	3,735.87	4,109.07	4,482.27	4,855.47	5,228.67
3/4	21.76	384.85	758.05	1,131.25	1,504.45	1,877.65	2,250.85	2,624.05	2,997.25	3,370.45	3,743.65	4,116.85	4,490.05	4,863.25	5,236.45
2	26.94	392.62	765.82	1,139.02	1,512.22	1,885.42	2,258.62	2,631.82	3,005.02	3,378.22	3,751.42	4,124.62	4,497.82	4,871.02	5,243.79
1/4	32.13	400.40	773.60	1,146.80	1,520.00	1,893.20	2,266.40	2,639.60	3,012.80	3,386.00	3,759.20	4,132.40	4,505.60	4,878.80	5,251.14
1/2	37.31	408.17	781.37	1,154.57	1,527.77	1,900.97	2,274.17	2,647.37	3,020.57	3,393.77	3,766.97	4,140.17	4,513.37	4,886.57	5,258.48
3/4	44.31	415.95	789.15	1,162.35	1,535.55	1,908.75	2,281.95	2,655.15	3,028.35	3,401.55	3,774.75	4,147.95	4,521.15	4,894.35	5,265.82
3	51.30	423.72	796.92	1,170.12	1,543.32	1,916.52	2,289.72	2,662.92	3,036.12	3,409.32	3,782.52	4,155.72	4,528.92	4,902.13	5,272.30
1/4	58.30	431.50	804.70	1,177.90	1,551.10	1,924.30	2,297.50	2,670.70	3,043.90	3,417.10	3,790.30	4,163.50	4,536.70	4,909.90	5,278.78
1/2	66.07	439.27	812.47	1,185.67	1,558.87	1,932.07	2,305.27	2,678.47	3,051.67	3,424.87	3,798.07	4,171.27	4,544.27	4,917.67	5,285.26
3/4	73.85	447.05	820.25	1,193.45	1,566.65	1,939.85	2,313.05	2,686.25	3,059.45	3,432.65	3,805.85	4,179.05	4,552.25	4,925.45	5,291.74
4	81.62	454.82	828.02	1,201.22	1,574.42	1,947.62	2,320.82	2,694.02	3,067.22	3,440.42	3,813.62	4,186.82	4,560.02	4,933.22	5,297.35
1/4	89.40	462.60	835.80	1,209.00	1,582.20	1,955.40	2,328.60	2,701.80	3,075.00	3,448.20	3,821.40	4,194.60	4,567.80	4,941.00	5,302.97
1/2	97.17	470.37	843.57	1,216.77	1,589.97	1,963.17	2,336.37	2,709.57	3,082.77	3,455.97	3,828.17	4,202.37	4,575.57	4,948.77	5,308.58
3/4	105.95	478.15	851.35	1,224.55	1,597.75	1,970.95	2,344.15	2,717.35	3,090.55	3,463.75	3,836.95	4,210.15	4,583.35	4,956.55	5,314.20
5	112.72	485.92	859.12	1,232.32	1,605.52	1,978.72	2,351.92	2,725.12	3,098.32	3,471.52	3,844.72	4,217.92	4,591.12	4,964.32	5,318.95
1/4	120.50	493.70	866.90	1,240.10	1,613.30	1,986.50	2,359.70	2,732.90	3,106.10	3,479.30	3,852.50	4,225.70	4,598.90	4,972.10	5,323.70
1/2	128.27	501.47	874.67	1,247.87	1,621.07	1,994.27	2,367.47	2,740.67	3,113.87	3,487.07	3,860.27	4,233.47	4,606.67	4,979.87	5,328.45
3/4	136.05	509.25	882.45	1,255.65	1,628.85	2,002.05	2,375.25	2,748.45	3,121.65	3,494.85	3,868.05	4,241.25	4,614.45	4,987.65	5,333.20
6	143.82	517.02	890.22	1,263.42	1,636.62	2,009.82	2,383.02	2,756.22	3,129.42	3,502.62	3,875.82	4,249.02	4,622.22	4,995.42	5,337.09
1/4	151.60	524.80	898.00	1,271.20	1,644.40	2,017.60	2,390.80	2,764.00	3,137.20	3,510.40	3,883.60	4,256.80	4,630.00	4,999.20	5,340.98
1/2	159.37	532.57	905.77	1,278.97	1,652.17	2,025.37	2,398.57	2,771.77	3,144.97	3,518.17	3,891.37	4,264.57	4,637.77	5,001.97	5,344.86
3/4	167.15	540.35	913.55	1,286.75	1,659.95	2,033.15	2,406.35	2,779.55	3,152.75	3,525.95	3,899.15	4,272.35	4,645.55	5,018.75	5,348.75
7	174.92	548.12	921.32	1,294.52	1,667.72	2,040.92	2,414.12	2,787.32	3,160.52	3,533.72	3,906.92	4,280.12	4,653.32	5,026.52	5,351.77
1/4	182.70	555.90	929.10	1,302.30	1,675.50	2,048.70	2,421.90	2,795.10	3,168.30	3,541.50	3,914.70	4,287.90	4,661.10	5,034.30	5,354.80
1/2	190.47	563.67	936.87	1,310.07	1,683.27	2,056.87	2,429.67	2,802.87	3,176.07	3,549.27	3,922.47	4,295.67	4,668.87	5,042.07	5,357.82
3/4	198.25	571.45	944.65	1,317.85	1,691.05	2,064.25	2,437.45	2,810.65	3,183.85	3,557.05	3,930.25	4,303.45	4,676.65	5,049.85	5,360.84
8	206.02	579.22	952.42	1,325.62	1,698.82	2,072.02	2,445.22	2,818.42	3,191.62	3,564.82	3,938.02	4,311.22	4,684.42	5,057.62	5,363.00
1/4	213.80	587.00	960.20	1,333.40	1,706.60	2,079.80	2,453.00	2,826.20	3,199.40	3,572.60	3,945.80	4,319.00	4,692.20	5,065.40	5,365.16
1/2	221.57	594.77	967.97	1,341.17	1,714.37	2,087.57	2,460.72	2,833.97	3,207.17	3,580.37	3,953.57	4,326.77	4,699.97	5,073.17	5,367.32
3/4	229.35	602.55	975.75	1,348.95	1,722.15	2,095.55	2,468.55	2,841.75	3,214.95	3,588.15	3,961.35	4,334.55	4,707.75	5,080.95	5,369.48
9	237.12	610.32	983.52	1,356.72	1,729.92	2,103.12	2,476.32	2,849.52	3,222.72	3,595.92	3,969.12	4,342.32	4,715.52	5,088.72	5,370.77
1/4	244.90	618.10	991.30	1,364.50	1,737.70	2,110.90	2,484.10	2,857.30	3,230.50	3,603.70	3,976.90	4,350.10	4,723.30	5,096.50	5,372.07
1/2	252.67	625.87	999.07	1,372.27	1,745.47	2,118.67	2,491.87	2,865.07	3,238.27	3,611.47	3,984.67	4,357.87	4,731.07	5,104.27	5,373.36
3/4	260.45	633.65	1,006.85	1,380.05	1,753.25	2,126.45	2,499.65	2,872.85	3,246.05	3,619.25	3,992.45	4,365.65	4,738.85	5,112.05	5,374.66
10	268.22	641.42	1,014.62	1,387.82	1,761.02	2,134.22	2,507.42	2,880.62	3,253.82	3,627.02	4,000.22	4,373.42	4,745.62	5,119.82	5,375.09
1/4	276.00	649.20	1,022.40	1,395.60	1,768.80	2,142.00	2,515.20	2,888.40	3,261.60	3,634.80	4,008.00	4,381.20	4,754.40	5,127.60	5,375.52
1/2	283.77	656.97	1,030.17	1,403.37	1,776.57	2,149.77	2,522.97	2,896.17	3,269.37	3,642.57	4,015.77	4,388.97	4,762.17	5,135.37	5,375.95
3/4	291.55	664.75	1,037.95	1,411.15	1,784.35	2,157.55	2,530.75	2,903.95	3,277.15	3,650.35	4,023.55	4,396.75	4,769.95	5,143.15	
11	299.32	672.52	1,045.72	1,418.92	1,792.12	2,165.32	2,538.52	2,911.72	3,284.92	3,658.12	4,031.32	4,404.52	4,777.72	5,150.92	
1/4	307.10	680.30	1,053.50	1,426.70	1,799.90	2,173.10	2,546.30	2,919.50	3,292.70	3,665.90	4,039.10	4,412.30	4,785.50	5,158.70	
1/2	314.87	688.07	1,061.27	1,434.47	1,807.67	2,180.87	2,554.07	2,927.27	3,300.47	3,673.67	4,046.87	4,420.07	4,793.27	5,166.47	
3/4	322.65	695.85	1,069.05	1,442.25	1,815.45	2,188.65	2,561.85	2,935.05	3,308.25	3,681.45	4,054.65	4,427.85	4,801.05	5,174.25	

BARGE AO-461
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	12 FT	13 FT	14 FT
0	2.07	330.42	703.62	1,076.82	1,450.02	1,823.22	2,196.42	2,569.62	2,942.82	3,316.02	3,689.22	4,062.42	4,435.62	4,808.82	5,182.02
1/4	3.11	338.20	711.40	1,084.60	1,457.80	1,831.00	2,204.20	2,577.40	2,950.60	3,323.80	3,697.00	4,070.20	4,443.40	4,816.60	5,189.80
1/2	4.14	345.97	719.17	1,092.37	1,465.57	1,838.77	2,211.97	2,585.17	2,958.37	3,331.57	3,704.77	4,077.97	4,451.17	4,824.37	5,197.57
3/4	7.25	353.75	726.95	1,100.15	1,473.35	1,846.55	2,219.75	2,592.95	2,966.15	3,339.35	3,712.55	4,085.75	4,458.95	4,832.15	5,205.35
1	10.36	361.52	734.72	1,107.92	1,481.12	1,854.32	2,227.52	2,600.72	2,973.92	3,347.12	3,720.32	4,093.52	4,466.72	4,839.92	5,213.12
1/4	13.47	369.30	742.50	1,115.70	1,488.90	1,862.10	2,235.30	2,608.50	2,981.70	3,354.90	3,728.10	4,101.30	4,474.50	4,847.70	5,220.90
1/2	16.58	377.07	750.27	1,123.47	1,496.67	1,869.87	2,243.07	2,616.27	2,989.47	3,362.67	3,735.87	4,109.07	4,482.27	4,855.47	5,228.67
3/4	21.76	384.85	758.05	1,131.25	1,504.45	1,877.65	2,250.85	2,624.05	2,997.25	3,370.45	3,743.65	4,116.85	4,490.05	4,863.25	5,236.45
2	26.94	392.62	765.82	1,139.02	1,512.22	1,885.42	2,258.62	2,631.82	3,005.02	3,378.22	3,751.42	4,124.62	4,497.82	4,871.02	5,243.79
1/4	32.13	400.40	773.60	1,146.80	1,520.00	1,893.20	2,266.40	2,639.60	3,012.80	3,386.00	3,759.20	4,132.40	4,505.60	4,878.80	5,251.14
1/2	37.31	408.17	781.37	1,154.57	1,527.77	1,900.97	2,274.17	2,647.37	3,020.57	3,393.77	3,766.97	4,140.17	4,513.37	4,886.57	5,258.48
3/4	44.31	415.95	789.15	1,162.35	1,535.55	1,908.75	2,281.95	2,655.15	3,028.35	3,401.55	3,774.75	4,147.95	4,521.15	4,894.35	5,265.82
3	51.30	423.72	796.92	1,170.12	1,543.32	1,916.52	2,289.72	2,662.92	3,036.12	3,409.32	3,782.52	4,155.72	4,528.92	4,902.13	5,272.30
1/4	58.30	431.50	804.70	1,177.90	1,551.10	1,924.30	2,297.50	2,670.70	3,043.90	3,417.10	3,790.30	4,163.50	4,536.70	4,910.00	5,278.78
1/2	66.07	439.27	812.47	1,185.67	1,558.87	1,932.07	2,305.27	2,678.47	3,051.67	3,424.87	3,798.07	4,171.27	4,544.47	4,917.67	5,285.26
3/4	73.85	447.05	820.25	1,193.45	1,566.65	1,939.85	2,313.05	2,686.25	3,059.45	3,432.65	3,805.85	4,179.05	4,552.25	4,925.45	5,291.74
4	81.62	454.82	828.02	1,201.22	1,574.42	1,947.62	2,320.82	2,694.02	3,067.22	3,440.42	3,813.62	4,186.82	4,560.02	4,933.22	5,297.35
1/4	89.40	462.60	835.80	1,209.00	1,582.20	1,955.40	2,328.60	2,701.80	3,075.00	3,448.20	3,821.40	4,194.60	4,567.80	4,941.00	5,303.97
1/2	97.17	470.37	843.57	1,216.77	1,589.97	1,963.17	2,336.37	2,709.57	3,082.77	3,455.97	3,829.17	4,202.37	4,575.57	4,948.77	5,308.58
3/4	105.95	478.15	851.35	1,224.55	1,597.75	1,970.95	2,344.15	2,717.35	3,090.55	3,463.75	3,836.95	4,210.15	4,583.35	4,956.55	5,314.20
5	112.72	485.92	859.12	1,232.32	1,605.52	1,978.72	2,351.92	2,725.12	3,098.32	3,471.52	3,844.72	4,217.92	4,591.12	4,964.32	5,318.95
1/4	120.50	493.70	866.90	1,240.10	1,613.30	1,986.50	2,359.70	2,732.90	3,106.10	3,479.30	3,852.50	4,225.70	4,598.90	4,972.10	5,323.70
1/2	128.27	501.47	874.67	1,247.87	1,621.07	1,994.27	2,367.47	2,740.67	3,113.87	3,487.07	3,860.27	4,233.47	4,606.67	4,979.87	5,328.45
3/4	136.05	509.25	882.45	1,255.65	1,628.85	2,002.05	2,375.25	2,748.45	3,121.65	3,494.85	3,868.05	4,241.25	4,614.45	4,987.65	5,333.20
7	143.82	517.02	890.22	1,263.42	1,636.62	2,009.82	2,383.02	2,756.22	3,129.42	3,502.62	3,875.82	4,249.42	4,622.22	4,995.42	5,337.09
1/4	151.60	524.80	898.00	1,271.20	1,644.40	2,017.60	2,390.80	2,764.00	3,137.20	3,510.40	3,883.60	4,256.80	4,630.00	5,003.20	5,340.98
1/2	159.37	532.57	905.77	1,278.97	1,652.17	2,025.37	2,398.57	2,771.77	3,144.97	3,518.17	3,891.37	4,264.57	4,637.77	5,010.97	5,344.86
3/4	167.15	540.35	913.55	1,286.75	1,659.95	2,033.15	2,406.35	2,779.55	3,152.75	3,525.95	3,899.15	4,272.35	4,645.55	5,018.75	5,348.75
8	174.92	548.12	921.32	1,294.52	1,667.72	2,040.92	2,414.12	2,787.32	3,160.52	3,533.72	3,906.92	4,280.12	4,653.32	5,026.52	5,351.77
1/4	182.70	555.90	929.10	1,302.30	1,675.50	2,048.70	2,421.90	2,795.10	3,168.30	3,541.50	3,914.70	4,287.90	4,661.10	5,034.30	5,354.80
1/2	190.47	563.67	936.87	1,310.07	1,683.27	2,056.47	2,429.67	2,802.87	3,176.07	3,549.67	3,922.47	4,295.67	4,668.87	5,042.07	5,357.82
3/4	198.25	571.45	944.65	1,317.85	1,691.05	2,064.25	2,437.45	2,810.65	3,183.85	3,557.05	3,930.25	4,303.45	4,676.65	5,049.85	5,360.84
9	206.02	579.22	952.42	1,325.62	1,698.82	2,072.02	2,445.22	2,818.42	3,191.62	3,564.82	3,938.02	4,311.22	4,684.42	5,057.62	5,363.00
1/4	213.80	587.00	960.20	1,333.40	1,706.60	2,079.80	2,453.00	2,826.20	3,199.40	3,572.60	3,945.80	4,319.00	4,692.20	5,065.40	5,365.16
1/2	221.57	594.77	967.97	1,341.17	1,714.37	2,087.57	2,460.72	2,833.97	3,207.17	3,580.37	3,953.57	4,326.77	4,699.97	5,073.17	5,367.32
3/4	229.35	602.55	975.75	1,348.95	1,722.15	2,095.55	2,468.55	2,841.75	3,214.95	3,588.15	3,961.35	4,334.55	4,707.75	5,080.95	5,369.48
10	237.12	610.32	983.52	1,356.72	1,729.92	2,103.12	2,476.32	2,849.52	3,222.72	3,595.92	3,969.12	4,342.32	4,715.52	5,088.72	5,370.77
1/4	244.90	618.10	991.30	1,364.50	1,737.70	2,110.90	2,484.10	2,857.30	3,230.50	3,603.70	3,976.90	4,350.10	4,723.07	5,096.50	5,372.07
1/2	252.67	625.87	999.07	1,372.27	1,745.47	2,118.67	2,491.87	2,865.07	3,238.27	3,611.47	3,984.67	4,357.87	4,731.07	5,104.27	5,373.36
3/4	260.45	633.65	1,006.85	1,380.05	1,753.25	2,126.45	2,499.65	2,872.85	3,246.05	3,619.25	3,992.45	4,365.65	4,738.85	5,112.05	5,374.66
11	268.22	641.42	1,014.62	1,387.82	1,761.02	2,134.22	2,507.42	2,880.62	3,253.82	3,627.02	4,000.22	4,373.42	4,745.62	5,119.82	5,375.09
1/4	276.00	649.20	1,022.40	1,395.60	1,768.80	2,142.00	2,515.20	2,888.40	3,261.60	3,634.80	4,008.00	4,381.20	4,752.40	5,127.60	5,375.52
1/2	283.77	656.97	1,030.17	1,403.37	1,776.57	2,149.77	2,522.97	2,896.17	3,269.37	3,642.57	4,015.77	4,388.97	4,759.57	5,135.37	5,375.95
3/4	291.55	664.75	1,037.95	1,411.15	1,784.35	2,157.55	2,530.75	2,903.95	3,277.15	3,650.35	4,023.55	4,396.75	4,769.95	5,143.15	5,376.38
12	299.32	672.52	1,045.72	1,418.92	1,792.12	2,165.32	2,538.52	2,911.72	3,284.92	3,658.12	4,031.32	4,404.52	4,777.72	5,150.92	5,376.81
1/4	307.10	680.30	1,053.50	1,426.70	1,799.90	2,173.10	2,546.30	2,919.50	3,292.70	3,665.90	4,039.10	4,412.30	4,785.50	5,158.70	5,377.24
1/2	314.87	688.07	1,061.27	1,434.47	1,807.67	2,180.87	2,554.07	2,927.27	3,300.47	3,673.67	4,046.87	4,420.47	4,793.67	5,166.47	5,377.67
3/4	322.65	695.85	1,069.05	1,442.25	1,815.45	2,188.65	2,561.85	2,935.05	3,308.25	3,681.45	4,054.65	4,427.85	4,801.05	5,174.25	5,378.10

BARGE AO-461
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	12 FT	13 FT	14 FT
0	2.09	333.74	710.69	1,087.65	1,464.58	1,841.52	2,218.46	2,595.41	2,972.35	3,349.30	3,725.06	4,015.18	4,275.73	4,536.27	4,796.81
1/4	3.14	341.60	718.54	1,095.48	1,472.43	1,849.37	2,226.32	2,603.26	2,980.20	3,357.15	3,732.32	4,020.61	4,281.15	4,541.70	4,802.24
1/2	4.18	349.45	726.39	1,103.34	1,480.28	1,857.23	2,234.17	2,611.11	2,988.06	3,364.00	3,739.59	4,026.04	4,286.58	4,547.13	4,807.67
3/4	7.32	357.30	734.25	1,111.19	1,488.13	1,865.08	2,242.02	2,618.97	2,995.91	3,372.85	3,748.62	4,031.47	4,292.01	4,552.55	4,813.10
1	10.46	365.16	742.10	1,119.04	1,495.99	1,872.93	2,249.88	2,626.82	3,003.76	3,380.71	3,756.65	4,036.89	4,297.44	4,557.98	4,818.53
1/4	13.60	373.01	749.95	1,126.90	1,503.84	1,880.78	2,257.73	2,634.67	3,011.62	3,388.56	3,764.50	4,042.32	4,302.87	4,563.41	4,823.95
1/2	16.74	380.86	757.81	1,134.75	1,511.69	1,888.64	2,265.58	2,642.53	3,019.47	3,396.41	3,767.72	4,047.75	4,308.29	4,568.84	4,829.38
3/4	21.98	388.71	765.66	1,142.60	1,519.55	1,896.49	2,273.43	2,650.38	3,027.32	3,404.27	3,774.52	4,053.18	4,313.72	4,574.27	4,834.81
2	27.21	396.57	773.51	1,150.46	1,527.40	1,904.34	2,281.29	2,658.23	3,035.18	3,412.12	3,781.33	4,058.61	4,319.15	4,579.69	4,839.94
1/4	32.45	404.42	781.36	1,158.31	1,535.25	1,912.20	2,289.14	2,666.08	3,043.03	3,419.97	3,788.13	4,064.03	4,324.58	4,585.12	4,845.06
1/2	37.68	412.27	789.22	1,166.16	1,543.11	1,920.05	2,296.99	2,673.94	3,050.88	3,427.83	3,794.93	4,069.46	4,330.01	4,590.55	4,850.19
3/4	44.75	420.13	797.07	1,174.01	1,550.96	1,927.90	2,304.85	2,681.79	3,058.73	3,435.68	3,801.51	4,074.89	4,335.43	4,595.98	4,855.31
3	51.82	427.98	804.92	1,181.87	1,558.81	1,935.76	2,312.70	2,689.64	3,066.59	3,443.53	3,808.08	4,080.32	4,340.86	4,601.41	4,859.84
1/4	58.89	435.83	812.78	1,189.72	1,566.66	1,943.61	2,320.55	2,697.50	3,074.44	3,451.38	3,814.66	4,085.75	4,346.29	4,606.83	4,864.36
1/2	66.74	443.69	820.63	1,197.57	1,574.52	1,951.46	2,328.41	2,705.35	3,082.29	3,459.24	3,821.23	4,091.17	4,351.72	4,612.26	4,868.88
3/4	74.59	451.54	828.48	1,205.43	1,582.37	1,959.31	2,336.26	2,713.20	3,090.15	3,467.09	3,827.58	4,096.60	4,357.15	4,617.69	4,873.41
4	82.45	459.39	836.34	1,213.28	1,590.22	1,967.17	2,344.11	2,721.06	3,098.00	3,474.94	3,833.92	4,102.03	4,362.57	4,623.12	4,877.32
1/4	90.30	467.24	844.19	1,221.13	1,598.08	1,975.02	2,351.96	2,728.91	3,105.85	3,482.80	3,840.27	4,107.46	4,368.00	4,628.55	4,881.24
1/2	98.15	475.10	852.04	1,228.99	1,605.93	1,982.87	2,359.82	2,736.76	3,113.71	3,490.65	3,846.61	4,112.89	4,373.43	4,633.97	4,885.16
3/4	106.01	482.95	859.89	1,236.84	1,613.78	1,990.73	2,367.67	2,744.61	3,121.56	3,498.50	3,852.73	4,118.31	4,378.86	4,639.40	4,889.08
5	113.86	490.80	867.75	1,244.69	1,621.64	1,998.58	2,375.52	2,752.47	3,129.41	3,506.36	3,858.85	4,123.74	4,384.29	4,644.83	4,892.40
1/4	121.71	498.66	875.60	1,252.54	1,629.49	2,006.43	2,383.38	2,760.32	3,137.26	3,514.21	3,864.96	4,129.17	4,389.71	4,650.26	4,895.71
1/2	129.57	506.51	883.45	1,260.40	1,637.34	2,014.29	2,391.23	2,768.17	3,145.12	3,522.06	3,871.08	4,134.60	4,395.12	4,655.69	4,899.03
3/4	137.42	514.36	891.31	1,268.25	1,645.19	2,022.14	2,399.08	2,776.03	3,152.97	3,529.91	3,876.96	4,140.03	4,400.57	4,661.11	4,902.35
6	145.27	522.22	899.16	1,276.10	1,653.05	2,029.99	2,406.94	2,783.88	3,160.82	3,537.77	3,882.85	4,145.45	4,406.00	4,666.54	4,905.06
1/4	153.12	530.07	907.01	1,283.96	1,660.90	2,037.84	2,414.79	2,791.73	3,168.68	3,545.62	3,888.74	4,150.88	4,411.43	4,671.97	4,907.77
1/2	160.98	537.92	914.87	1,291.81	1,668.75	2,045.70	2,422.64	2,799.59	3,176.53	3,553.47	3,894.62	4,156.31	4,416.85	4,677.40	4,910.48
3/4	168.83	545.77	922.72	1,299.66	1,676.61	2,053.55	2,430.49	2,807.44	3,184.38	3,561.33	3,900.28	4,161.74	4,422.28	4,682.83	4,913.20
7	176.68	553.63	930.57	1,307.52	1,684.46	2,061.40	2,438.35	2,815.29	3,192.26	3,569.18	3,905.94	4,167.17	4,427.71	4,688.25	4,915.31
1/4	184.54	561.48	938.42	1,315.37	1,692.31	2,069.26	2,446.20	2,823.14	3,200.09	3,577.03	3,911.59	4,172.59	4,433.14	4,693.68	4,917.42
1/2	192.39	569.33	946.28	1,323.22	1,700.17	2,077.11	2,454.05	2,831.00	3,207.94	3,584.89	3,917.25	4,178.02	4,438.57	4,699.11	4,919.53
3/4	200.24	577.19	954.13	1,331.07	1,708.02	2,084.96	2,461.91	2,838.85	3,215.79	3,592.74	3,922.79	4,183.45	4,443.99	4,704.54	4,921.64
8	208.10	585.04	961.98	1,338.93	1,715.87	2,092.82	2,469.76	2,846.70	3,223.65	3,600.59	3,928.33	4,188.88	4,449.42	4,709.97	4,923.14
1/4	215.95	592.89	969.84	1,346.78	1,723.72	2,100.67	2,477.61	2,854.56	3,231.50	3,608.44	3,933.76	4,194.31	4,454.85	4,715.39	4,924.65
1/2	223.80	600.75	977.69	1,354.63	1,731.58	2,108.52	2,485.47	2,862.41	3,239.35	3,616.30	3,939.19	4,199.73	4,460.28	4,720.82	4,926.16
3/4	231.65	608.60	985.54	1,362.49	1,739.43	2,116.37	2,493.32	2,870.26	3,247.21	3,624.15	3,944.62	4,205.16	4,465.71	4,726.25	4,927.67
9	239.51	616.45	993.40	1,370.34	1,747.28	2,124.23	2,501.12	2,878.12	3,255.06	3,632.00	3,950.05	4,210.59	4,471.13	4,731.66	4,928.57
1/4	247.36	624.30	1,001.25	1,378.19	1,755.14	2,132.08	2,509.02	2,885.97	3,262.91	3,639.86	3,956.47	4,216.02	4,476.56	4,737.11	4,929.47
1/2	255.21	632.16	1,009.10	1,386.05	1,762.99	2,139.93	2,516.88	2,893.82	3,270.77	3,647.71	3,963.90	4,221.45	4,481.99	4,742.53	4,930.37
3/4	263.07	640.01	1,016.95	1,393.90	1,770.84	2,147.79	2,524.73	2,901.67	3,278.62	3,655.56	3,968.33	4,226.87	4,487.42	4,747.96	4,931.28
10	270.92	647.86	1,024.81	1,401.75	1,778.70	2,155.64	2,532.58	2,909.55	3,286.47	3,663.42	3,971.76	4,232.30	4,492.85	4,753.39	4,931.58
1/4	278.77	655.72	1,032.66	1,409.60	1,786.55	2,163.49	2,540.44	2,917.38	3,294.32	3,671.27	3,977.19	4,237.16	4,498.27	4,758.82	4,931.88
1/2	286.63	663.57	1,040.51	1,417.46	1,794.40	2,171.35	2,548.29	2,925.23	3,302.18	3,679.12	3,982.61	4,243.16	4,503.70	4,764.25	4,932.18
3/4	294.48	671.42	1,048.37	1,425.31	1,802.25	2,179.20	2,556.14	2,933.09	3,310.03	3,686.97	3,988.04	4,248.59	4,509.13	4,769.67	4,932.18
11	302.33	679.28	1,056.22	1,433.16	1,810.11	2,187.05	2,564.00	2,940.94	3,317.88	3,694.83	3,993.47	4,254.01	4,514.56	4,775.10	4,932.18
1/4	310.18	687.13	1,064.07	1,441.02	1,817.96	2,194.90	2,571.85	2,948.79	3,325.74	3,702.68	3,998.90	4,259.44	4,519.99	4,780.53	4,932.18
1/2	318.04	694.98	1,071.93	1,448.87	1,825.81	2,202.76	2,579.70	2,956.65	3,333.59	3,710.53	4,004.33	4,264.87	4,525.41	4,785.96	4,932.18
3/4	325.89	702.83	1,079.78	1,456.72	1,833.67	2,210.61	2,587.55	2,964.50	3,341.44	3,717.80	4,009.75	4,270.30	4,530.84	4,791.39	4,932.18

BARGE AO461
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	12 FT	13 FT	14 FT
0	2.09	333.74	710.69	1,087.65	1,464.58	1,841.52	2,218.46	2,595.41	2,972.35	3,349.30	3,725.06	4,015.18	4,225.73	4,536.30	4,796.81
1/4	3.14	341.60	718.54	1,095.48	1,472.43	1,849.37	2,226.17	2,603.26	2,980.20	3,357.15	3,732.32	4,020.61	4,281.15	4,592.70	4,862.24
1/2	4.18	349.45	726.39	1,103.34	1,480.28	1,857.23	2,234.17	2,611.11	2,988.06	3,365.00	3,739.59	4,026.04	4,286.58	4,547.13	4,807.67
3/4	7.32	357.30	734.25	1,111.19	1,488.13	1,865.08	2,242.02	2,618.97	2,995.91	3,372.85	3,746.62	4,031.47	4,292.01	4,552.55	4,813.10
1	10.46	365.16	742.10	1,119.04	1,495.99	1,872.93	2,249.88	2,626.82	3,003.76	3,380.71	3,753.65	4,036.89	4,297.44	4,557.98	4,818.53
1/4	13.60	373.01	749.95	1,126.90	1,503.84	1,880.78	2,257.73	2,634.67	3,011.62	3,388.56	3,760.68	4,042.32	4,302.87	4,563.41	4,823.95
1/2	16.74	380.86	757.81	1,134.75	1,511.69	1,888.64	2,265.58	2,642.53	3,019.47	3,396.41	3,767.72	4,047.75	4,308.29	4,568.84	4,829.38
3/4	21.98	388.71	765.66	1,142.60	1,519.55	1,896.49	2,273.43	2,650.38	3,027.32	3,404.27	3,774.52	4,053.18	4,313.72	4,574.27	4,834.81
2	27.21	396.57	773.51	1,150.46	1,527.40	1,904.34	2,281.29	2,658.23	3,035.18	3,412.12	3,781.33	4,058.61	4,319.15	4,579.69	4,839.94
1/4	32.45	404.42	781.36	1,158.31	1,535.25	1,912.20	2,289.14	2,666.08	3,043.03	3,419.97	3,788.13	4,064.03	4,324.58	4,585.12	4,845.06
1/2	37.68	412.27	789.22	1,166.16	1,543.11	1,920.05	2,296.99	2,673.94	3,050.88	3,427.83	3,794.93	4,069.46	4,330.01	4,590.55	4,850.19
3/4	44.75	420.13	797.07	1,174.01	1,550.96	1,927.90	2,304.85	2,681.79	3,058.73	3,435.68	3,801.51	4,074.89	4,335.43	4,595.98	4,855.31
3	51.82	427.98	804.92	1,181.87	1,558.81	1,935.76	2,312.70	2,689.64	3,066.59	3,443.53	3,808.08	4,080.32	4,340.86	4,601.41	4,859.84
1/4	58.89	435.83	812.78	1,189.72	1,566.66	1,943.61	2,320.55	2,697.50	3,074.44	3,451.38	3,814.66	4,085.75	4,346.29	4,606.83	4,864.36
1/2	66.74	443.69	820.63	1,197.57	1,574.52	1,951.46	2,328.41	2,705.35	3,082.29	3,459.24	3,821.23	4,091.17	4,351.72	4,612.26	4,868.88
3/4	74.59	451.54	828.48	1,205.43	1,582.37	1,959.31	2,336.26	2,713.20	3,090.15	3,467.09	3,827.58	4,096.60	4,357.15	4,617.69	4,873.41
4	82.45	459.39	836.34	1,213.28	1,590.22	1,967.17	2,344.11	2,721.06	3,098.00	3,474.94	3,833.92	4,102.03	4,362.57	4,623.12	4,877.32
1/4	90.30	467.24	844.19	1,221.13	1,598.08	1,975.02	2,351.96	2,728.91	3,105.85	3,482.80	3,840.27	4,107.46	4,368.00	4,628.55	4,881.24
1/2	98.15	475.10	852.04	1,228.99	1,605.93	1,982.87	2,359.82	2,736.76	3,113.71	3,490.65	3,846.61	4,112.89	4,373.43	4,633.97	4,885.16
3/4	106.01	482.95	859.89	1,236.84	1,613.78	1,990.73	2,367.67	2,744.61	3,121.56	3,498.50	3,852.73	4,118.31	4,378.86	4,639.40	4,889.08
5	113.86	490.80	867.75	1,244.69	1,621.64	1,998.58	2,375.52	2,752.47	3,129.41	3,506.36	3,858.85	4,123.74	4,384.29	4,644.83	4,892.40
1/4	121.71	498.66	875.60	1,252.54	1,629.49	2,006.43	2,383.38	2,760.32	3,137.26	3,514.21	3,864.96	4,129.17	4,389.71	4,650.26	4,895.71
1/2	129.57	506.51	883.45	1,260.40	1,637.34	2,014.29	2,391.23	2,768.17	3,145.12	3,522.06	3,871.08	4,134.60	4,395.14	4,655.69	4,899.03
3/4	137.42	514.36	891.31	1,268.25	1,645.19	2,022.14	2,399.08	2,776.03	3,152.97	3,529.91	3,876.96	4,140.03	4,400.57	4,661.11	4,902.35
6	145.27	522.22	899.16	1,276.10	1,653.05	2,029.99	2,406.94	2,782.88	3,160.82	3,537.77	3,882.85	4,145.45	4,406.00	4,666.54	4,905.06
1/4	153.12	530.07	907.01	1,283.96	1,660.90	2,037.84	2,414.79	2,791.73	3,168.68	3,545.62	3,888.74	4,150.88	4,411.43	4,671.97	4,907.77
1/2	160.98	537.92	914.87	1,291.81	1,668.75	2,045.70	2,422.64	2,799.59	3,176.53	3,553.47	3,894.62	4,156.31	4,416.85	4,677.40	4,910.48
3/4	168.83	545.77	922.72	1,299.66	1,676.61	2,053.55	2,430.49	2,807.44	3,184.38	3,561.33	3,900.28	4,161.74	4,422.28	4,682.83	4,913.20
7	176.68	553.63	930.57	1,307.52	1,684.46	2,061.40	2,438.35	2,815.29	3,192.26	3,569.18	3,905.94	4,167.17	4,427.71	4,688.25	4,915.31
1/4	184.54	561.48	938.42	1,315.37	1,692.31	2,069.26	2,446.20	2,823.14	3,200.09	3,577.03	3,911.59	4,172.59	4,433.14	4,693.68	4,917.42
1/2	192.39	569.33	946.28	1,323.22	1,700.17	2,077.11	2,454.05	2,831.00	3,207.94	3,584.89	3,917.25	4,178.02	4,438.57	4,699.11	4,919.53
3/4	200.24	577.19	954.13	1,331.07	1,708.02	2,084.96	2,461.91	2,838.85	3,215.79	3,592.74	3,922.79	4,183.45	4,443.99	4,704.54	4,921.64
8	208.10	585.04	961.98	1,338.93	1,715.87	2,092.82	2,469.76	2,846.70	3,223.65	3,600.59	3,928.33	4,188.88	4,449.42	4,709.97	4,923.14
1/4	215.95	592.89	969.84	1,346.78	1,723.72	2,100.67	2,477.61	2,854.56	3,231.50	3,608.44	3,933.76	4,194.31	4,454.85	4,715.39	4,924.65
1/2	223.80	600.75	977.69	1,354.63	1,731.58	2,108.52	2,485.47	2,862.41	3,239.35	3,616.30	3,939.19	4,199.73	4,460.28	4,720.82	4,926.16
3/4	231.65	608.60	985.54	1,362.49	1,739.43	2,116.37	2,493.32	2,870.26	3,247.21	3,624.15	3,944.62	4,205.16	4,465.71	4,726.25	4,927.67
9	239.51	616.45	993.40	1,370.34	1,747.28	2,124.23	2,501.12	2,878.12	3,255.06	3,632.00	3,950.05	4,210.59	4,471.13	4,731.68	4,928.57
1/4	247.36	624.30	1,001.25	1,378.19	1,755.14	2,132.08	2,509.02	2,885.97	3,262.91	3,639.86	3,955.47	4,216.02	4,476.56	4,737.11	4,929.47
1/2	255.21	632.16	1,009.10	1,386.05	1,762.99	2,139.93	2,516.88	2,893.82	3,270.77	3,647.71	3,960.90	4,221.45	4,481.99	4,742.53	4,930.37
3/4	263.07	640.01	1,016.95	1,393.90	1,770.84	2,147.79	2,524.73	2,901.67	3,278.62	3,655.56	3,966.33	4,226.87	4,487.42	4,747.96	4,931.28
10	270.92	647.86	1,024.81	1,401.75	1,778.70	2,155.64	2,532.58	2,909.55	3,286.47	3,663.42	3,971.76	4,232.30	4,492.85	4,753.39	4,931.58
1/4	278.77	655.72	1,032.66	1,409.60	1,786.55	2,163.49	2,540.44	2,917.36	3,294.32	3,671.27	3,977.19	4,237.73	4,498.27	4,758.82	4,931.88
1/2	286.63	663.57	1,040.51	1,417.46	1,794.40	2,171.35	2,548.29	2,925.23	3,302.18	3,678.12	3,982.52	4,243.16	4,503.70	4,764.25	4,932.18
3/4	294.48	671.42	1,048.37	1,425.31	1,802.25	2,179.20	2,556.14	2,933.09	3,310.03	3,686.97	3,988.04	4,248.59	4,509.13	4,769.67	
11	302.33	679.28	1,056.22	1,433.16	1,810.11	2,187.05	2,564.00	2,940.94	3,317.88	3,693.83	3,993.47	4,254.01	4,514.56	4,775.10	
1/4	310.18	687.13	1,064.07	1,441.02	1,817.96	2,194.90	2,571.85	2,948.79	3,325.74	3,702.68	3,998.90	4,259.44	4,519.99	4,780.53	
1/2	318.04	694.98	1,071.93	1,448.87	1,825.81	2,202.76	2,579.70	2,956.65	3,333.59	3,710.53	4,004.33	4,264.87	4,525.41	4,785.96	
3/4	325.89	702.83	1,079.78	1,456.72	1,833.67	2,210.61	2,587.55	2,964.50	3,341.44	3,717.80	4,009.75	4,270.30	4,530.84	4,791.39	