



BARGE "MPC-811"
MARATHON PETROLEUM CORP.

INNAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN																											HULL NO. 2170-2									
	IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.						
0	0	15.08	0	325.91	0	679.33	0	1,036.74	0	1,394.14	0	1,751.55	0	2,108.96	0	2,466.37	0	2,823.78	0	3,181.18	0	3,538.59	0	3,896.00	0	4,253.41	0	4,610.82	0	4,968.22						
1/4	1/4	19.29	1/4	330.07	1/4	686.77	1/4	1,044.18	1/4	1,401.59	1/4	1,759.00	1/4	2,116.41	1/4	2,473.81	1/4	2,831.22	1/4	3,188.63	1/4	3,546.04	1/4	3,903.45	1/4	4,260.85	1/4	4,618.26	1/4	4,975.67						
1/2	1/2	23.50	1/2	340.22	1/2	694.22	1/2	1,051.63	1/2	1,409.04	1/2	1,766.44	1/2	2,123.85	1/2	2,481.26	1/2	2,838.67	1/2	3,196.08	1/2	3,553.48	1/2	3,910.89	1/2	4,268.30	1/2	4,625.71	1/2	4,983.12						
3/4	3/4	27.71	3/4	347.38	3/4	701.67	3/4	1,059.07	3/4	1,416.48	3/4	1,773.89	3/4	2,131.30	3/4	2,488.71	3/4	2,846.11	3/4	3,203.52	3/4	3,560.93	3/4	3,918.34	3/4	4,275.75	3/4	4,633.15	3/4	4,990.56						
1	1	31.92	1	354.53	1	709.11	1	1,066.52	1	1,423.93	1	1,781.34	1	2,138.74	1	2,496.15	1	2,853.56	1	3,210.97	1	3,568.38	1	3,925.78	1	4,283.19	1	4,640.60	1	4,998.01						
1/4	1/4	37.60	1/4	361.69	1/4	716.56	1/4	1,073.97	1/4	1,431.37	1/4	1,788.78	1/4	2,146.19	1/4	2,503.60	1/4	2,861.01	1/4	3,218.41	1/4	3,575.82	1/4	3,933.23	1/4	4,290.64	1/4	4,648.05	1/4	5,004.85						
1/2	1/2	43.27	1/2	368.84	1/2	724.00	1/2	1,081.41	1/2	1,438.82	1/2	1,796.23	1/2	2,153.64	1/2	2,511.04	1/2	2,868.45	1/2	3,225.86	1/2	3,583.27	1/2	3,940.68	1/2	4,298.08	1/2	4,655.49	1/2	5,011.70						
3/4	3/4	48.95	3/4	376.00	3/4	731.45	3/4	1,088.86	3/4	1,446.27	3/4	1,803.67	3/4	2,158.08	3/4	2,514.49	3/4	2,870.90	3/4	3,233.31	3/4	3,590.71	3/4	3,948.12	3/4	4,305.53	3/4	4,662.94	3/4	5,018.54						
2	2	54.62	2	383.15	2	738.90	2	1,096.30	2	1,453.71	2	1,811.12	2	2,168.53	2	2,525.94	2	2,883.34	2	3,240.75	2	3,598.16	2	3,955.57	2	4,312.98	2	4,670.38	2	5,025.38						
1/4	1/4	61.16	1/4	390.43	1/4	746.34	1/4	1,103.75	1/4	1,461.16	1/4	1,818.57	1/4	2,175.97	1/4	2,533.38	1/4	2,890.79	1/4	3,248.20	1/4	3,605.61	1/4	3,963.01	1/4	4,320.42	1/4	4,677.83	1/4	5,030.98						
1/2	1/2	67.69	1/2	397.71	1/2	753.79	1/2	1,111.20	1/2	1,468.60	1/2	1,826.01	1/2	2,183.42	1/2	2,540.83	1/2	2,898.24	1/2	3,255.64	1/2	3,613.05	1/2	3,970.46	1/2	4,327.87	1/2	4,685.28	1/2	5,036.58						
3/4	3/4	74.22	3/4	404.99	3/4	761.23	3/4	1,118.64	3/4	1,476.05	3/4	1,833.46	3/4	2,190.87	3/4	2,548.27	3/4	2,905.68	3/4	3,263.09	3/4	3,620.50	3/4	3,977.91	3/4	4,335.31	3/4	4,692.72	3/4	5,042.18						
3	3	80.76	3	412.27	3	768.68	3	1,126.09	3	1,483.50	3	1,840.90	3	2,198.31	3	2,555.72	3	2,913.13	3	3,270.54	3	3,627.94	3	3,985.35	3	4,342.76	3	4,700.17	3	5,047.78						
1/4	1/4	87.29	1/4	419.55	1/4	776.13	1/4	1,133.53	1/4	1,490.94	1/4	1,848.35	1/4	2,205.76	1/4	2,563.17	1/4	2,920.57	1/4	3,277.98	1/4	3,635.39	1/4	3,992.80	1/4	4,350.21	1/4	4,707.61	1/4	5,052.14						
1/2	1/2	93.82	1/2	426.83	1/2	783.57	1/2	1,140.98	1/2	1,498.39	1/2	1,855.80	1/2	2,213.20	1/2	2,570.61	1/2	2,928.02	1/2	3,285.43	1/2	3,642.84	1/2	4,000.24	1/2	4,357.65	1/2	4,715.06	1/2	5,056.50						
3/4	3/4	100.36	3/4	434.11	3/4	791.02	3/4	1,148.43	3/4	1,505.83	3/4	1,863.24	3/4	2,220.65	3/4	2,578.06	3/4	2,935.47	3/4	3,292.87	3/4	3,650.28	3/4	4,007.69	3/4	4,365.10	3/4	4,722.51	3/4	5,060.85						
4	4	108.89	4	441.39	4	798.46	4	1,155.87	4	1,513.28	4	1,870.69	4	2,228.10	4	2,585.50	4	2,942.91	4	3,300.32	4	3,657.73	4	4,015.14	4	4,372.54	4	4,729.95	4	5,065.21						
1/4	1/4	113.55	1/4	448.80	1/4	805.91	1/4	1,163.32	1/4	1,520.73	1/4	1,878.13	1/4	2,235.54	1/4	2,592.95	1/4	2,950.36	1/4	3,307.77	1/4	3,665.17	1/4	4,022.58	1/4	4,379.99	1/4	4,737.40	1/4	5,068.32						
1/2	1/2	120.26	1/2	456.20	1/2	813.36	1/2	1,170.76	1/2	1,528.17	1/2	1,885.58	1/2	2,242.99	1/2	2,600.40	1/2	2,957.80	1/2	3,315.21	1/2	3,672.62	1/2	4,030.03	1/2	4,387.44	1/2	4,744.84	1/2	5,071.43						
3/4	3/4	126.86	3/4	463.60	3/4	820.80	3/4	1,178.21	3/4	1,536.62	3/4	1,893.03	3/4	2,250.43	3/4	2,607.84	3/4	2,965.25	3/4	3,322.66	3/4	3,680.07	3/4	4,037.47	3/4	4,394.88	3/4	4,752.29	3/4	5,074.54						
5	5	133.52	5	471.01	5	828.25	5	1,185.66	5	1,543.06	5	1,900.47	5	2,257.88	5	2,615.29	5	2,972.70	5	3,330.10	5	3,687.51	5	4,044.92	5	4,402.33	5	4,759.74	5	5,077.65						
1/4	1/4	140.18	1/4	478.41	1/4	835.69	1/4	1,193.10	1/4	1,550.51	1/4	1,907.92	1/4	2,262.73	1/4	2,620.14	1/4	2,980.14	1/4	3,337.55	1/4	3,694.96	1/4	4,052.37	1/4	4,409.77	1/4	4,767.18	1/4	5,079.52						
1/2	1/2	146.84	1/2	485.82	1/2	843.14	1/2	1,200.55	1/2	1,557.96	1/2	1,915.36	1/2	2,272.77	1/2	2,630.18	1/2	2,987.59	1/2	3,345.00	1/2	3,702.40	1/2	4,059.81	1/2	4,417.22	1/2	4,774.63	1/2	5,081.39						
3/4	3/4	153.49	3/4	493.22	3/4	850.59	3/4	1,207.99	3/4	1,565.40	3/4	1,922.81	3/4	2,280.22	3/4	2,637.63	3/4	2,995.03	3/4	3,352.44	3/4	3,709.85	3/4	4,067.26	3/4	4,424.67	3/4	4,782.07	3/4	5,083.25						
6	6	160.15	6	500.62	6	858.03	6	1,215.44	6	1,572.85	6	1,930.26	6	2,287.66	6	2,645.07	6	3,002.48	6	3,359.89	6	3,717.30	6	4,074.70	6	4,432.11	6	4,789.52	6	5,085.12						
1/4	1/4	166.93	1/4	508.29	1/4	865.48	1/4	1,222.89	1/4	1,580.29	1/4	1,937.70	1/4	2,295.11	1/4	2,652.52	1/4	3,009.93	1/4	3,367.33	1/4	3,724.74	1/4	4,082.15	1/4	4,439.56	1/4	4,796.97	1/4	5,085.74						
1/2	1/2	173.72	1/2	515.52	1/2	872.92	1/2	1,230.33	1/2	1,587.74	1/2	1,945.15	1/2	2,302.56	1/2	2,659.96	1/2	3,017.37	1/2	3,374.78	1/2	3,732.19	1/2	4,089.60	1/2	4,447.01	1/2	4,804.41	1/2	5,086.36						
3/4	3/4	180.50	3/4	522.96	3/4	880.37	3/4	1,237.78	3/4	1,595.19	3/4	1,952.59	3/4	2,310.00	3/4	2,667.41	3/4	3,024.82	3/4	3,382.23	3/4	3,739.63	3/4	4,097.04	3/4	4,454.45	3/4	4,811.86	3/4	5,086.99						
7	7	187.28	7	530.41	7	887.82	7	1,245.22	7	1,602.63	7	1,960.04	7	2,317.45	7	2,674.86	7	3,032.26	7	3,389.67	7	3,747.08	7	4,104.49	7	4,461.90	7	4,819.30	7	5,087.61						
1/4	1/4	194.06	1/4	537.85	1/4	895.26	1/4	1,252.67	1/4	1,610.08	1/4	1,967.49	1/4	2,324.89	1/4	2,682.30	1/4	3,039.71	1/4	3,397.12	1/4	3,754.53	1/4	4,111.93	1/4	4,469.34	1/4	4,826.75	1/4	5,088.14						
1/2	1/2	200.84	1/2	545.30	1/2	902.71	1/2	1,260.12	1/2	1,617.52	1/2	1,974.93	1/2	2,332.34	1/2	2,689.75	1/2	3,047.16	1/2	3,404.56	1/2	3,761.97	1/2	4,119.38	1/2	4,476.79	1/2	4,834.20	1/2	5,088.61						
3/4	3/4	207.63	3/4	552.75	3/4	910.15	3/4	1,267.56	3/4	1,624.97	3/4	1,982.38	3/4	2,339.79	3/																					



BARGE "MPC-811"
MARATHON PETROLEUM CORP.

INNAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN															HULL NO. 2170-2														
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0	* 14.99	0	349.24	0	718.38	0	1,077.51	0	1,436.65	0	1,795.78	0	2,154.92	0	2,514.06	0	2,873.19	0	3,232.33	0	3,591.46	0	3,950.60	0	4,309.74	0	4,668.87	0	5,028.01
1/4	19.68	1/4	725.86	1/4	1,084.99	1/4	1,444.13	1/4	1,803.27	1/4	1,803.27	1/4	2,162.40	1/4	2,521.54	1/4	2,880.67	1/4	3,239.81	1/4	3,598.95	1/4	3,958.08	1/4	4,317.22	1/4	4,676.35	1/4	5,035.49
1/2	24.36	1/2	733.34	1/2	1,092.48	1/2	1,451.61	1/2	1,810.75	1/2	1,810.75	1/2	2,169.88	1/2	2,529.02	1/2	2,888.16	1/2	3,247.29	1/2	3,606.43	1/2	3,965.56	1/2	4,324.70	1/2	4,683.84	1/2	5,042.97
3/4	29.04	3/4	740.82	3/4	1,099.96	3/4	1,459.09	3/4	1,818.23	3/4	1,818.23	3/4	2,177.37	3/4	2,536.50	3/4	2,895.64	3/4	3,254.77	3/4	3,613.91	3/4	3,973.05	3/4	4,332.18	3/4	4,691.32	3/4	5,050.45
1	33.73	1	748.30	1	1,107.44	1	1,466.58	1	1,825.71	1	1,825.71	1	2,184.85	1	2,543.98	1	2,903.12	1	3,262.26	1	3,621.39	1	3,980.53	1	4,339.66	1	4,698.80	1	5,057.94
1/4	40.29	1/4	755.79	1/4	1,114.92	1/4	1,474.06	1/4	1,833.19	1/4	1,833.19	1/4	2,192.33	1/4	2,551.47	1/4	2,910.60	1/4	3,269.74	1/4	3,628.87	1/4	3,988.01	1/4	4,347.14	1/4	4,706.28	1/4	5,064.81
1/2	46.84	1/2	763.27	1/2	1,122.40	1/2	1,481.54	1/2	1,840.68	1/2	1,840.68	1/2	2,199.81	1/2	2,558.95	1/2	2,918.08	1/2	3,277.22	1/2	3,636.36	1/2	3,995.49	1/2	4,354.63	1/2	4,713.76	1/2	5,071.68
3/4	53.40	3/4	770.75	3/4	1,129.89	3/4	1,489.02	3/4	1,848.16	3/4	1,848.16	3/4	2,207.29	3/4	2,566.43	3/4	2,925.57	3/4	3,284.70	3/4	3,643.84	3/4	4,002.97	3/4	4,362.11	3/4	4,721.25	3/4	5,078.55
1	59.96	1	778.23	1	1,137.37	1	1,496.50	1	1,855.64	1	1,855.64	1	2,214.78	1	2,573.91	1	2,933.05	1	3,292.18	1	3,651.32	1	4,010.46	1	4,369.59	1	4,728.73	1	5,085.42
1/4	67.44	1/4	785.71	1/4	1,144.85	1/4	1,503.99	1/4	1,863.12	1/4	1,863.12	1/4	2,222.26	1/4	2,581.39	1/4	2,940.53	1/4	3,299.67	1/4	3,658.80	1/4	4,017.94	1/4	4,377.07	1/4	4,736.21	1/4	5,091.04
1/2	74.92	1/2	793.20	1/2	1,152.33	1/2	1,511.47	1/2	1,870.60	1/2	1,870.60	1/2	2,229.74	1/2	2,588.88	1/2	2,948.01	1/2	3,307.15	1/2	3,666.28	1/2	4,025.42	1/2	4,384.56	1/2	4,743.69	1/2	5,096.66
3/4	82.41	3/4	800.68	3/4	1,159.81	3/4	1,518.95	3/4	1,878.09	3/4	1,878.09	3/4	2,237.22	3/4	2,596.36	3/4	2,955.49	3/4	3,314.63	3/4	3,673.77	3/4	4,032.90	3/4	4,392.04	3/4	4,751.17	3/4	5,102.28
1	89.89	1	808.15	1	1,167.30	1	1,526.43	1	1,885.57	1	1,885.57	1	2,244.70	1	2,603.84	1	2,962.98	1	3,322.11	1	3,681.25	1	4,040.38	1	4,399.52	1	4,758.66	1	5,107.90
1/4	97.37	1/4	815.64	1/4	1,174.78	1/4	1,533.91	1/4	1,893.05	1/4	1,893.05	1/4	2,252.19	1/4	2,611.32	1/4	2,970.46	1/4	3,329.59	1/4	3,688.73	1/4	4,047.87	1/4	4,407.00	1/4	4,766.14	1/4	5,112.27
1/2	104.85	1/2	823.12	1/2	1,182.26	1/2	1,541.40	1/2	1,900.53	1/2	1,900.53	1/2	2,259.67	1/2	2,618.80	1/2	2,977.94	1/2	3,337.08	1/2	3,696.21	1/2	4,055.35	1/2	4,414.48	1/2	4,773.62	1/2	5,116.64
3/4	112.33	3/4	830.61	3/4	1,189.74	3/4	1,548.88	3/4	1,908.01	3/4	1,908.01	3/4	2,267.15	3/4	2,626.29	3/4	2,985.42	3/4	3,344.56	3/4	3,703.69	3/4	4,062.83	3/4	4,421.97	3/4	4,781.10	3/4	5,121.02
1	119.82	1	838.09	1	1,197.22	1	1,556.36	1	1,915.50	1	1,915.50	1	2,274.63	1	2,633.77	1	2,992.90	1	3,352.04	1	3,711.18	1	4,070.31	1	4,429.45	1	4,788.58	1	5,125.39
1/4	127.30	1/4	845.57	1/4	1,204.71	1/4	1,563.84	1/4	1,922.98	1/4	1,922.98	1/4	2,282.11	1/4	2,641.25	1/4	3,000.39	1/4	3,359.52	1/4	3,718.66	1/4	4,077.79	1/4	4,436.93	1/4	4,796.07	1/4	5,128.51
1/2	134.78	1/2	853.05	1/2	1,212.19	1/2	1,571.32	1/2	1,930.46	1/2	1,930.46	1/2	2,289.60	1/2	2,648.73	1/2	3,007.87	1/2	3,367.00	1/2	3,726.14	1/2	4,085.28	1/2	4,444.41	1/2	4,803.55	1/2	5,131.63
3/4	142.26	3/4	860.53	3/4	1,219.67	3/4	1,578.81	3/4	1,937.94	3/4	1,937.94	3/4	2,297.08	3/4	2,656.21	3/4	3,015.35	3/4	3,374.49	3/4	3,733.62	3/4	4,092.76	3/4	4,451.89	3/4	4,811.03	3/4	5,134.76
1	149.74	1	868.02	1	1,227.15	1	1,586.29	1	1,945.42	1	1,945.42	1	2,304.56	1	2,663.70	1	3,022.83	1	3,381.97	1	3,741.10	1	4,100.24	1	4,459.38	1	4,818.51	1	5,137.88
1/4	157.23	1/4	875.50	1/4	1,234.63	1/4	1,593.77	1/4	1,952.91	1/4	1,952.91	1/4	2,312.04	1/4	2,671.18	1/4	3,030.31	1/4	3,389.45	1/4	3,748.59	1/4	4,107.72	1/4	4,466.86	1/4	4,825.99	1/4	5,139.75
1/2	164.71	1/2	882.98	1/2	1,242.12	1/2	1,601.25	1/2	1,960.39	1/2	1,960.39	1/2	2,319.52	1/2	2,678.66	1/2	3,037.80	1/2	3,396.93	1/2	3,756.07	1/2	4,115.20	1/2	4,474.34	1/2	4,833.48	1/2	5,141.63
3/4	172.19	3/4	890.46	3/4	1,249.60	3/4	1,608.73	3/4	1,967.87	3/4	1,967.87	3/4	2,327.01	3/4	2,686.14	3/4	3,045.28	3/4	3,404.41	3/4	3,763.55	3/4	4,122.69	3/4	4,481.82	3/4	4,840.96	3/4	5,143.50
1	179.67	1	897.94	1	1,257.08	1	1,616.22	1	1,975.35	1	1,975.35	1	2,334.49	1	2,693.62	1	3,052.76	1	3,411.90	1	3,771.03	1	4,130.17	1	4,489.30	1	4,848.44	1	5,145.38
1/4	187.15	1/4	905.43	1/4	1,264.56	1/4	1,623.70	1/4	1,982.83	1/4	1,982.83	1/4	2,341.97	1/4	2,701.11	1/4	3,060.24	1/4	3,419.38	1/4	3,778.51	1/4	4,137.65	1/4	4,496.79	1/4	4,855.92	1/4	5,146.00
1/2	194.64	1/2	912.91	1/2	1,272.04	1/2	1,631.18	1/2	1,990.32	1/2	1,990.32	1/2	2,349.45	1/2	2,708.59	1/2	3,067.72	1/2	3,426.86	1/2	3,786.00	1/2	4,145.13	1/2	4,504.27	1/2	4,863.40	1/2	5,146.63
3/4	202.12	3/4	920.39	3/4	1,279.53	3/4	1,638.66	3/4	1,997.80	3/4	1,997.80	3/4	2,356.93	3/4	2,716.07	3/4	3,075.21	3/4	3,434.34	3/4	3,793.48	3/4	4,152.61	3/4	4,511.75	3/4	4,870.89	3/4	5,147.25
1	209.60	1	927.87	1	1,287.01	1	1,646.14	1	2,005.28	1	2,005.28	1	2,364.42	1	2,723.55	1	3,044.18	1	3,403.32	1	3,800.96	1	4,160.10	1	4,519.23	1	4,878.37	1	5,147.88
1/4	217.08	1/4	935.35	1/4	1,294.49	1/4	1,653.63	1/4	2,012.76	1/4	2,012.76	1/4	2,371.90	1/4	2,731.03	1/4	3,090.17	1/4	3,449.31	1/4	3,808.44	1/4	4,167.58	1/4	4,526.71	1/4	4,885.85	1/4	5,148.00
1/2	224.56	1/2	942.84	1/2	1,301.97	1/2	1,661.11	1/2	2,020.24	1/2	2,020.24	1/2	2,379.38	1/2	2,738.52	1/2	3,097.65	1/2	3,456.79	1/2	3,815.92	1/2	4,175.06	1/2	4,534.20	1/2	4,893.33	1/2	5,148.57
3/4	232.05	3/4	950.32	3/4	1,309.45	3/4	1,668.59	3/4	2,027.73	3/4	2,027.73	3/4	2,386.86	3/4	2,746.00	3/4	3,105.13	3/4	3,464.27	3/4	3,823.41	3/4	4,182.54	3/4	4,541.68	3/4	4,900.81	3/4	5,149.14
1	239.53	1	957.80	1	1,316.94	1	1,676.07	1	2,035.21	1	2,035.21	1	2,394.34	1	2,753.48	1	3,112.62	1	3,471.75	1	3,830.89	1	4,190.02	1	4,549.16	1	4,908.30	1	5,149.71
1/4	247.01	1/4	965.28	1/4	1,324.42	1/4	1,683.55	1/4	2,042.69	1/4	2,042.69	1/4	2,401.83	1/4	2,760.96	1/4	3,120.10	1/4	3,479.23	1/4	3,838.37	1/4	4,197.51	1/4	4,556.64	1/4	4,915.78	1/4	5,150.28
1/2	254.49	1/2	972.76	1/2	1,331.90	1/2	1,691.04	1/2	2,050.17	1/2	2,050.17	1/2	2,409.31	1/2	2,768.44	1/2	3,127.58	1/2	3,486.72	1/2	3,845.85	1/2	4,204.99	1/2	4,564.12	1/2	4,923.26	1/2	5,150.83
3/4	261.97	3/4	980.25	3/4	1,339.38	3/4	1,698.52	3/4	2,057.65	3/4	2,057.65	3/4	2,416.79	3/4	2,775.93	3/4	3,135.06	3/4	3,494.20	3/4	3,853.33	3/4	4,212.47	3/4	4,571.61	3/4	4,930.74	3/4	5,151.39
1	269.46	1	987.73	1	1,346.86	1	1,705.00	1	2,065.14	1	2,065.14	1	2,424.27	1	2,783.41	1	3,142.54	1	3,501.68	1	3,860.92	1	4,219.95	1	4,579.09	1	4,938.22	1	5,152.00
1/4	276.94	1/4	995.21	1/4	1,354.35	1/4	1,713.48	1/4	2,072.62	1/4	2,072.62	1/4	2,431.75	1/4	2,790.89	1/4	3,150.03	1/4	3,509.16	1/4	3,868.30	1/4	4,227.43	1/4	4,586.57	1/4	4,945.71	1/4	



BARGE "MPC-811"
MARATHON PETROLEUM CORP.

INNAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN																HULL NO. 2170-2													
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0	* 14.93	0	358.58	0	717.18	0	1,075.79	0	1,434.40	0	1,793.01	0	2,151.62	0	2,510.22	0	2,868.83	0	3,227.44	0	3,585.03	0	3,928.48	0	4,099.10	0	4,369.29	0	4,639.48
1/4	19.60	1/4	366.05	1/4	724.66	1/4	1,083.26	1/4	1,441.87	1/4	1,800.48	1/4	2,159.09	1/4	2,517.70	1/4	2,876.31	1/4	3,234.91	1/4	3,593.52	1/4	3,952.13	1/4	4,104.73	1/4	4,364.34	1/4	4,624.95
1/2	24.27	1/2	373.52	1/2	732.13	1/2	1,090.73	1/2	1,449.34	1/2	1,807.95	1/2	2,166.56	1/2	2,525.17	1/2	2,883.77	1/2	3,242.38	1/2	3,600.99	1/2	3,959.60	1/2	4,110.36	1/2	4,370.95	1/2	4,631.56
3/4	28.93	3/4	380.99	3/4	739.60	3/4	1,098.21	3/4	1,456.81	3/4	1,815.42	3/4	2,174.03	3/4	2,532.64	3/4	2,891.25	3/4	3,249.85	3/4	3,608.46	3/4	3,967.07	3/4	4,117.64	3/4	4,378.23	3/4	4,638.83
1	33.60	1	388.46	1	747.07	1	1,105.68	1	1,464.28	1	1,822.89	1	2,181.50	1	2,540.11	1	2,898.72	1	3,257.32	1	3,615.93	1	3,974.54	1	4,124.15	1	4,384.74	1	4,645.34
1/4	40.13	1/4	395.93	1/4	754.54	1/4	1,113.15	1/4	1,471.76	1/4	1,830.36	1/4	2,188.97	1/4	2,547.58	1/4	2,906.19	1/4	3,264.80	1/4	3,623.41	1/4	3,982.02	1/4	4,131.63	1/4	4,392.22	1/4	4,652.82
1/2	46.67	1/2	403.40	1/2	762.01	1/2	1,120.62	1/2	1,479.23	1/2	1,837.83	1/2	2,196.44	1/2	2,555.05	1/2	2,913.66	1/2	3,272.27	1/2	3,630.88	1/2	3,989.49	1/2	4,139.10	1/2	4,400.69	1/2	4,661.29
3/4	53.20	3/4	410.87	3/4	769.48	3/4	1,128.09	3/4	1,486.70	3/4	1,845.31	3/4	2,203.91	3/4	2,562.52	3/4	2,921.13	3/4	3,279.74	3/4	3,638.35	3/4	3,996.96	3/4	4,146.57	3/4	4,408.16	3/4	4,669.76
2	59.74	2	418.34	2	776.95	2	1,135.56	2	1,494.17	2	1,852.78	2	2,211.38	2	2,569.99	2	2,928.60	2	3,287.21	2	3,645.82	2	3,999.43	2	4,149.04	2	4,410.63	2	4,671.23
1/4	67.21	1/4	425.82	1/4	784.42	1/4	1,143.03	1/4	1,501.64	1/4	1,860.25	1/4	2,218.86	1/4	2,577.46	1/4	2,936.07	1/4	3,294.68	1/4	3,653.29	1/4	3,999.90	1/4	4,150.51	1/4	4,412.10	1/4	4,673.70
1/2	74.68	1/2	433.29	1/2	791.89	1/2	1,150.50	1/2	1,509.11	1/2	1,867.72	1/2	2,226.33	1/2	2,584.93	1/2	2,943.54	1/2	3,302.15	1/2	3,659.76	1/2	3,999.98	1/2	4,150.59	1/2	4,412.18	1/2	4,673.78
3/4	82.15	3/4	440.76	3/4	799.37	3/4	1,157.97	3/4	1,516.58	3/4	1,875.19	3/4	2,233.80	3/4	2,592.41	3/4	2,951.01	3/4	3,309.62	3/4	3,667.23	3/4	3,999.84	3/4	4,150.45	3/4	4,412.04	3/4	4,673.64
3	89.62	3	448.23	3	806.84	3	1,165.44	3	1,524.05	3	1,882.66	3	2,241.27	3	2,599.88	3	2,958.48	3	3,317.09	3	3,675.70	3	3,999.92	3	4,150.53	3	4,412.12	3	4,673.72
1/4	97.09	1/4	455.70	1/4	814.31	1/4	1,172.92	1/4	1,531.52	1/4	1,890.13	1/4	2,248.74	1/4	2,607.35	1/4	2,965.96	1/4	3,324.56	1/4	3,683.17	1/4	3,999.94	1/4	4,150.52	1/4	4,412.10	1/4	4,673.70
1/2	104.56	1/2	463.17	1/2	821.78	1/2	1,180.39	1/2	1,538.99	1/2	1,897.60	1/2	2,256.21	1/2	2,614.82	1/2	2,973.43	1/2	3,332.03	1/2	3,689.64	1/2	3,999.96	1/2	4,150.54	1/2	4,412.12	1/2	4,673.72
3/4	112.03	3/4	470.64	3/4	829.25	3/4	1,187.86	3/4	1,546.47	3/4	1,913.96	3/4	2,283.57	3/4	2,642.18	3/4	2,980.79	3/4	3,339.40	3/4	3,697.01	3/4	3,999.98	3/4	4,150.56	3/4	4,412.14	3/4	4,673.74
4	119.50	4	478.11	4	836.72	4	1,195.33	4	1,553.94	4	1,912.54	4	2,271.15	4	2,629.76	4	2,988.37	4	3,346.98	4	3,704.59	4	3,999.99	4	4,150.57	4	4,412.15	4	4,673.75
1/4	126.98	1/4	485.58	1/4	844.19	1/4	1,202.80	1/4	1,561.41	1/4	1,920.02	1/4	2,278.62	1/4	2,637.23	1/4	2,995.84	1/4	3,354.45	1/4	3,712.06	1/4	3,999.99	1/4	4,150.58	1/4	4,412.16	1/4	4,673.76
1/2	134.45	1/2	493.05	1/2	851.66	1/2	1,210.27	1/2	1,568.88	1/2	1,927.49	1/2	2,285.99	1/2	2,644.60	1/2	2,999.99	1/2	3,361.91	1/2	3,719.52	1/2	3,999.99	1/2	4,150.59	1/2	4,412.17	1/2	4,673.77
3/4	141.92	3/4	500.53	3/4	859.13	3/4	1,217.74	3/4	1,576.35	3/4	1,934.96	3/4	2,293.57	3/4	2,652.17	3/4	3,010.78	3/4	3,369.39	3/4	3,727.00	3/4	3,999.99	3/4	4,150.60	3/4	4,412.18	3/4	4,673.78
5	149.39	5	508.00	5	866.60	5	1,225.21	5	1,583.82	5	1,942.43	5	2,301.04	5	2,659.64	5	3,018.25	5	3,376.86	5	3,734.47	5	3,999.99	5	4,150.61	5	4,412.19	5	4,673.79
1/4	156.86	1/4	515.47	1/4	874.08	1/4	1,232.68	1/4	1,591.29	1/4	1,949.90	1/4	2,308.51	1/4	2,667.12	1/4	3,025.72	1/4	3,384.33	1/4	3,741.94	1/4	3,999.99	1/4	4,150.62	1/4	4,412.20	1/4	4,673.80
1/2	164.33	1/2	522.94	1/2	881.55	1/2	1,240.15	1/2	1,598.76	1/2	1,957.37	1/2	2,315.98	1/2	2,674.59	1/2	3,033.19	1/2	3,391.80	1/2	3,749.41	1/2	3,999.99	1/2	4,150.63	1/2	4,412.21	1/2	4,673.81
3/4	171.80	3/4	530.41	3/4	889.02	3/4	1,247.63	3/4	1,606.23	3/4	1,964.84	3/4	2,323.45	3/4	2,682.06	3/4	3,040.67	3/4	3,399.27	3/4	3,756.82	3/4	3,999.99	3/4	4,150.64	3/4	4,412.22	3/4	4,673.82
6	179.27	6	537.88	6	896.49	6	1,255.10	6	1,613.70	6	1,972.31	6	2,330.92	6	2,689.53	6	3,048.14	6	3,406.74	6	3,764.35	6	3,999.99	6	4,150.65	6	4,412.23	6	4,673.83
1/4	186.74	1/4	545.35	1/4	903.96	1/4	1,262.57	1/4	1,621.18	1/4	1,979.78	1/4	2,338.34	1/4	2,697.00	1/4	3,055.61	1/4	3,414.22	1/4	3,771.83	1/4	3,999.99	1/4	4,150.66	1/4	4,412.24	1/4	4,673.84
1/2	194.21	1/2	552.82	1/2	911.43	1/2	1,270.04	1/2	1,628.65	1/2	1,987.25	1/2	2,345.86	1/2	2,704.47	1/2	3,063.08	1/2	3,421.69	1/2	3,779.30	1/2	3,999.99	1/2	4,150.67	1/2	4,412.25	1/2	4,673.85
3/4	201.69	3/4	560.29	3/4	918.90	3/4	1,277.51	3/4	1,636.12	3/4	1,994.73	3/4	2,353.33	3/4	2,711.94	3/4	3,070.55	3/4	3,427.82	3/4	3,785.43	3/4	3,999.99	3/4	4,150.68	3/4	4,412.26	3/4	4,673.86
7	209.16	7	567.76	7	926.37	7	1,284.98	7	1,643.59	7	2,002.20	7	2,360.80	7	2,719.41	7	3,078.02	7	3,433.95	7	3,789.56	7	3,999.99	7	4,150.69	7	4,412.27	7	4,673.87
1/4	216.63	1/4	575.24	1/4	933.84	1/4	1,292.45	1/4	1,651.06	1/4	2,009.67	1/4	2,368.28	1/4	2,726.88	1/4	3,085.49	1/4	3,440.09	1/4	3,791.60	1/4	3,999.99	1/4	4,150.70	1/4	4,412.28	1/4	4,673.88
1/2	224.10	1/2	582.71	1/2	941.31	1/2	1,299.92	1/2	1,658.53	1/2	2,017.14	1/2	2,375.75	1/2	2,734.35	1/2	3,092.96	1/2	3,446.22	1/2	3,797.73	1/2	3,999.99	1/2	4,150.71	1/2	4,412.29	1/2	4,673.89
3/4	231.57	3/4	590.18	3/4	948.79	3/4	1,307.39	3/4	1,665.00	3/4	2,024.61	3/4	2,383.22	3/4	2,741.83	3/4	3,100.43	3/4	3,452.28	3/4	3,799.54	3/4	3,999.99	3/4	4,150.72	3/4	4,412.30	3/4	4,673.90
8	239.04	8	597.65	8	956.26	8	1,314.86	8	1,673.47	8	2,032.08	8	2,390.69	8	2,749.30	8	3,137.79	8	3,482.45	8	3,791.61	8	3,999.99	8	4,150.73	8	4,412.31	8	4,673.91
1/4	246.51	1/4	605.12	1/4	963.73	1/4	1,322.34	1/4	1,680.94	1/4	2,039.55	1/4	2,398.16	1/4	2,756.77	1/4	3,145.26	1/4	3,488.44	1/4	3,791.62	1/4	3,999.99	1/4	4,150.74	1/4	4,412.32	1/4	4,673.92
1/2	253.98	1/2	612.59	1/2	971.20	1/2	1,329.81	1/2	1,688.41	1/2	2,047.02	1/2	2,405.63	1/2	2,764.24	1/2	3,152.73	1/2	3,494.43	1/2	3,791.63	1/2	3,999.99	1/2	4,150.75	1/2	4,412.33	1/2	4,673.93
3/4	261.45	3/4	620.06	3/4	978.67	3/4	1,337.28	3/4	1,695.89	3/4	2,054.49	3/4	2,413.10	3/4	2,771.71	3/4	3,130.32	3/4	3,476.46	3/4	3,791.64	3/4	3,999.99	3/4	4,150.76	3/4	4,412.34	3/4	4,673.94
9	268.92	9	627.53	9	986.14	9	1,344.75	9	1,703.36	9	2,061.96	9	2,420.57	9	2,779.18	9	3,137.79	9	3,482.45	9	3,791.65	9	3,999.99	9	4,150.77	9	4,412.35	9	4,673.95
1/4	276.40	1/4	635.00	1/4	993.61	1/4	1,352.22	1/4	1,710.83	1/4	2,069.44	1/4	2,428.04	1/4	2,786.65	1/4	3,145.26	1/4	3,488.44	1/4	3,791.66	1/4	3,999.99	1/4	4,150.78	1/4	4,412.36	1/4	4,673.96
1/2	283.87	1/2	642.47	1/2	1,001.08	1/2	1,359.69	1/2	1,718.30	1/2	2,076.91	1/2																	