



BARGE "CBC 20"

INNAGE TRIM TABLE

FORMERLY "GBL 1510" &
"KIRBY 10374"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
TANK 1	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8
TANK 2	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-0/8	02-0/8
TANK 3	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR TANK 1 IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON TANK 1, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8'

LENGTH BETWEEN DRAFT MARKS: 156'-00"

December 27, 2007

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "CBC 20"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 16'-11 5/8"

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.
0	1.02	0	206.98	0	455.14	0	702.93	0	951.03	0	1,199.21	0	1,447.38	0	1,695.55	0	1,943.74	0	2,191.93
1/4	1.82	1/4	212.15	1/4	460.31	1/4	708.09	1/4	956.20	1/4	1,204.39	1/4	1,452.55	1/4	1,700.72	1/4	1,948.91	1/4	2,197.10
1/2	2.62	1/2	217.32	1/2	465.48	1/2	713.25	1/2	961.37	1/2	1,209.56	1/2	1,457.71	1/2	1,705.89	1/2	1,954.08	1/2	2,202.26
3/4	3.42	3/4	222.49	3/4	470.64	3/4	718.41	3/4	966.54	3/4	1,214.73	3/4	1,462.88	3/4	1,711.07	3/4	1,959.26	3/4	2,207.43
1	4.55	1	227.67	1	475.81	1	723.57	1	971.71	1	1,219.90	1	1,468.05	1	1,716.24	1	1,964.43	1	2,212.60
1/4	6.35	1/4	232.83	1/4	480.98	1/4	728.73	1/4	976.89	1/4	1,225.07	1/4	1,473.22	1/4	1,721.41	1/4	1,969.60	1/4	2,217.77
1/2	8.48	1/2	238.00	1/2	486.15	1/2	733.89	1/2	982.06	1/2	1,230.24	1/2	1,478.39	1/2	1,726.58	1/2	1,974.76	1/2	2,222.94
3/4	10.61	3/4	243.17	3/4	491.33	3/4	739.05	3/4	987.23	3/4	1,235.40	3/4	1,483.57	3/4	1,731.76	3/4	1,979.93	3/4	2,228.11
2	13.08	2	248.33	2	496.50	2	744.22	2	992.40	2	1,240.57	2	1,488.74	2	1,736.93	2	1,985.10	2	2,233.28
1/4	16.24	1/4	253.51	1/4	501.67	1/4	749.39	1/4	997.57	1/4	1,245.74	1/4	1,493.91	1/4	1,742.10	1/4	1,990.27	1/4	2,238.45
1/2	19.74	1/2	258.68	1/2	506.83	1/2	754.56	1/2	1,002.74	1/2	1,250.90	1/2	1,499.08	1/2	1,747.26	1/2	1,995.44	1/2	2,243.62
3/4	23.24	3/4	263.85	3/4	512.00	3/4	759.73	3/4	1,007.90	3/4	1,256.07	3/4	1,504.26	3/4	1,752.43	3/4	2,000.61	3/4	2,248.79
3	26.96	3	269.02	3	517.17	3	764.90	3	1,013.07	3	1,261.24	3	1,509.43	3	1,757.60	3	2,005.79	3	2,253.96
1/4	31.13	1/4	274.19	1/4	522.33	1/4	770.07	1/4	1,018.24	1/4	1,266.41	1/4	1,514.60	1/4	1,762.77	1/4	2,010.96	1/4	2,259.13
1/2	35.51	1/2	279.36	1/2	527.50	1/2	775.24	1/2	1,023.42	1/2	1,271.58	1/2	1,519.76	1/2	1,767.94	1/2	2,016.13	1/2	2,264.31
3/4	39.90	3/4	284.52	3/4	532.67	3/4	780.40	3/4	1,028.59	3/4	1,276.76	3/4	1,524.93	3/4	1,773.11	3/4	2,021.30	3/4	2,269.49
4	44.37	4	289.69	4	537.83	4	785.57	4	1,033.76	4	1,281.93	4	1,530.10	4	1,778.29	4	2,026.47	4	2,274.66
1/4	48.99	1/4	294.86	1/4	542.99	1/4	790.74	1/4	1,038.93	1/4	1,287.10	1/4	1,535.27	1/4	1,783.46	1/4	2,031.64	1/4	2,279.83
1/2	53.70	1/2	300.04	1/2	548.15	1/2	795.92	1/2	1,044.10	1/2	1,292.27	1/2	1,540.44	1/2	1,788.63	1/2	2,036.81	1/2	2,284.99
3/4	58.41	3/4	305.21	3/4	553.32	3/4	801.09	3/4	1,049.26	3/4	1,297.45	3/4	1,545.61	3/4	1,793.80	3/4	2,041.98	3/4	2,290.15
5	63.19	5	310.38	5	558.47	5	806.26	5	1,054.43	5	1,302.62	5	1,550.79	5	1,798.97	5	2,047.14	5	2,295.31
1/4	68.10	1/4	315.55	1/4	563.63	1/4	811.43	1/4	1,059.60	1/4	1,307.79	1/4	1,555.96	1/4	1,804.14	1/4	2,052.32	1/4	2,300.48
1/2	73.08	1/2	320.71	1/2	568.79	1/2	816.61	1/2	1,064.77	1/2	1,312.95	1/2	1,561.13	1/2	1,809.31	1/2	2,057.49	1/2	2,305.65
3/4	78.07	3/4	325.88	3/4	573.94	3/4	821.78	3/4	1,069.95	3/4	1,318.12	3/4	1,566.30	3/4	1,814.48	3/4	2,062.66	3/4	2,310.83
6	83.08	6	331.05	6	579.10	6	826.95	6	1,075.12	6	1,323.29	6	1,571.47	6	1,819.64	6	2,067.83	6	2,316.00
1/4	88.18	1/4	336.22	1/4	584.26	1/4	832.12	1/4	1,080.29	1/4	1,328.46	1/4	1,576.64	1/4	1,824.82	1/4	2,073.01	1/4	2,321.17
1/2	93.31	1/2	341.39	1/2	589.42	1/2	837.29	1/2	1,085.46	1/2	1,333.63	1/2	1,581.81	1/2	1,829.99	1/2	2,078.18	1/2	2,326.33
3/4	98.44	3/4	346.57	3/4	594.58	3/4	842.45	3/4	1,090.64	3/4	1,338.80	3/4	1,586.98	3/4	1,835.16	3/4	2,083.35	3/4	2,331.50
7	103.58	7	351.74	7	599.74	7	847.62	7	1,095.81	7	1,343.97	7	1,592.14	7	1,840.33	7	2,088.52	7	2,336.67
1/4	108.74	1/4	356.91	1/4	604.90	1/4	852.79	1/4	1,100.98	1/4	1,349.14	1/4	1,597.32	1/4	1,845.50	1/4	2,093.69	1/4	2,341.84
1/2	113.92	1/2	362.08	1/2	610.06	1/2	857.96	1/2	1,106.14	1/2	1,354.31	1/2	1,602.49	1/2	1,850.67	1/2	2,098.86	1/2	2,347.01
3/4	119.09	3/4	367.26	3/4	615.22	3/4	863.14	3/4	1,111.31	3/4	1,359.48	3/4	1,607.66	3/4	1,855.83	3/4	2,104.02	3/4	2,352.18
8	124.26	8	372.43	8	620.38	8	868.31	8	1,116.48	8	1,364.64	8	1,612.83	8	1,861.00	8	2,109.19	8	2,357.36
1/4	129.43	1/4	377.60	1/4	625.54	1/4	873.48	1/4	1,121.65	1/4	1,369.82	1/4	1,618.00	1/4	1,866.17	1/4	2,114.36	1/4	2,362.52
1/2	134.60	1/2	382.76	1/2	630.70	1/2	878.64	1/2	1,126.82	1/2	1,374.99	1/2	1,623.17	1/2	1,871.35	1/2	2,119.54	1/2	2,367.69
3/4	139.76	3/4	387.93	3/4	635.86	3/4	883.81	3/4	1,131.99	3/4	1,380.16	3/4	1,628.33	3/4	1,876.52	3/4	2,124.71	3/4	2,372.86
9	144.93	9	393.10	9	641.02	9	888.98	9	1,137.17	9	1,385.33	9	1,633.50	9	1,881.69	9	2,129.88	9	2,378.03
1/4	150.10	1/4	398.27	1/4	646.18	1/4	894.15	1/4	1,142.33	1/4	1,390.51	1/4	1,638.67	1/4	1,886.86	1/4	2,135.05	1/4	2,383.20
1/2	155.27	1/2	403.44	1/2	651.35	1/2	899.32	1/2	1,147.50	1/2	1,395.68	1/2	1,643.85	1/2	1,892.04	1/2	2,140.21	1/2	2,388.37
3/4	160.45	3/4	408.61	3/4	656.51	3/4	904.49	3/4	1,152.67	3/4	1,400.85	3/4	1,649.02	3/4	1,897.21	3/4	2,145.38	3/4	2,393.54
10	165.62	10	413.78	10	661.67	10	909.67	10	1,157.83	10	1,406.02	10	1,654.19	10	1,902.38	10	2,150.55	10	2,398.71
1/4	170.79	1/4	418.95	1/4	666.82	1/4	914.84	1/4	1,163.01	1/4	1,411.19	1/4	1,659.36	1/4	1,907.55	1/4	2,155.72	1/4	2,403.88
1/2	175.96	1/2	424.12	1/2	671.98	1/2	920.01	1/2	1,168.18	1/2	1,416.36	1/2	1,664.54	1/2	1,912.71	1/2	2,160.89	1/2	2,409.05
3/4	181.14	3/4	429.29	3/4	677.13	3/4	925.18	3/4	1,173.35	3/4	1,421.52	3/4	1,669.71	3/4	1,917.88	3/4	2,166.07	3/4	2,414.21
11	186.31	11	434.45	11	682.29	11	930.36	11	1,178.52	11	1,426.69	11	1,674.88	11	1,923.05	11	2,171.24	11	2,419.38
1/4	191.48	1/4	439.63	1/4	687.45	1/4	935.52	1/4	1,183.70	1/4	1,431.86	1/4	1,680.05	1/4	1,928.22	1/4	2,176.41	1/4	2,424.55
1/2	196.64	1/2	444.80	1/2	692.61	1/2	940.69	1/2	1,188.87	1/2	1,437.04	1/2	1,685.21	1/2	1,933.39	1/2	2,181.58	1/2	2,429.73
3/4	201.81	3/4	449.97	3/4	697.77	3/4	945.86	3/4	1,194.04	3/4	1,442.21	3/4	1,690.38	3/4	1,938.57	3/4	2,186.76	3/4	2,434.90

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CBC 20"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 16'-11 5/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,440.07	0	2,680.36	0	2,910.12	0	3,139.86	0	3,369.62	0		0		0		0		0	
1/4	2,445.24	1/4	2,685.14	1/4	2,914.90	1/4	3,144.64	1/4	3,374.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,450.42	1/2	2,689.93	1/2	2,919.69	1/2	3,149.43	1/2	3,379.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,455.59	3/4	2,694.71	3/4	2,924.48	3/4	3,154.21	3/4	3,383.98	3/4		3/4		3/4		3/4		3/4	
1	2,460.76	1	2,699.50	1	2,929.26	1	3,159.00	1	3,388.76	1		1		1		1		1	
1/4	2,465.93	1/4	2,704.29	1/4	2,934.05	1/4	3,163.79	1/4	3,393.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,471.10	1/2	2,709.07	1/2	2,938.83	1/2	3,168.57	1/2	3,398.33	1/2		1/2		1/2		1/2		1/2	
3/4	2,476.26	3/4	2,713.86	3/4	2,943.62	3/4	3,173.36	3/4	3,403.12	3/4		3/4		3/4		3/4		3/4	
2	2,481.43	2	2,718.64	2	2,948.40	2	3,178.14	2	3,407.90	2		2		2		2		2	
1/4	2,486.60	1/4	2,723.43	1/4	2,953.19	1/4	3,182.93	1/4	3,412.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,491.77	1/2	2,728.23	1/2	2,957.98	1/2	3,187.73	1/2	3,417.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,496.95	3/4	2,733.02	3/4	2,962.76	3/4	3,192.52	3/4	3,422.26	3/4		3/4		3/4		3/4		3/4	
3	2,502.12	3	2,737.81	3	2,967.55	3	3,197.31	3	3,426.95	3		3		3		3		3	
1/4	2,507.29	1/4	2,742.60	1/4	2,972.33	1/4	3,202.10	1/4	3,431.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,512.45	1/2	2,747.38	1/2	2,977.12	1/2	3,206.88	1/2	3,435.82	1/2		1/2		1/2		1/2		1/2	
3/4	2,517.62	3/4	2,752.17	3/4	2,981.90	3/4	3,211.67	3/4	3,440.21	3/4		3/4		3/4		3/4		3/4	
4	2,522.79	4	2,756.95	4	2,986.69	4	3,216.45	4	3,444.40	4		4		4		4		4	
1/4	2,527.96	1/4	2,761.74	1/4	2,991.48	1/4	3,221.24	1/4	3,448.18	1/4		1/4		1/4		1/4		1/4	
1/2	2,533.13	1/2	2,766.52	1/2	2,996.26	1/2	3,226.02	1/2	3,451.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,538.30	3/4	2,771.31	3/4	3,001.05	3/4	3,230.81	3/4	3,455.36	3/4		3/4		3/4		3/4		3/4	
5	2,543.47	5	2,776.10	5	3,005.83	5	3,235.60	5	3,458.75	5		5		5		5		5	
1/4	2,548.64	1/4	2,780.88	1/4	3,010.62	1/4	3,240.38	1/4	3,461.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,553.81	1/2	2,785.67	1/2	3,015.40	1/2	3,245.17	1/2	3,464.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,558.98	3/4	2,790.45	3/4	3,020.19	3/4	3,249.95	3/4	3,467.33	3/4		3/4		3/4		3/4		3/4	
6	2,564.13	6	2,795.24	6	3,024.98	6	3,254.74	6	3,469.92	6		6		6		6		6	
1/4	2,569.27	1/4	2,800.02	1/4	3,029.76	1/4	3,259.52	1/4	3,472.12	1/4		1/4		1/4		1/4		1/4	
1/2	2,574.39	1/2	2,804.81	1/2	3,034.55	1/2	3,264.31	1/2	3,474.12	1/2		1/2		1/2		1/2		1/2	
3/4	2,579.52	3/4	2,809.60	3/4	3,039.33	3/4	3,269.10	3/4	3,476.12	3/4		3/4		3/4		3/4		3/4	
7	2,584.56	7	2,814.38	7	3,044.12	7	3,273.88	7	3,477.92	7		7		7		7		7	
1/4	2,589.43	1/4	2,819.17	1/4	3,048.91	1/4	3,278.67	1/4	3,479.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,594.21	1/2	2,823.95	1/2	3,053.70	1/2	3,283.45	1/2	3,480.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,599.00	3/4	2,828.74	3/4	3,058.49	3/4	3,288.24	3/4	3,481.71	3/4		3/4		3/4		3/4		3/4	
8	2,603.79	8	2,833.52	8	3,063.28	8	3,293.02	8	3,482.72	8		8		8		8		8	
1/4	2,608.57	1/4	2,838.31	1/4	3,068.07	1/4	3,297.81	1/4	3,483.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,613.36	1/2	2,843.10	1/2	3,072.86	1/2	3,302.60	1/2	3,483.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,618.14	3/4	2,847.88	3/4	3,077.64	3/4	3,307.38	3/4	3,484.23	3/4		3/4		3/4		3/4		3/4	
9	2,622.93	9	2,852.67	9	3,082.43	9	3,312.17	9	3,484.45	9		9		9		9		9	
1/4	2,627.71	1/4	2,857.45	1/4	3,087.21	1/4	3,316.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,632.50	1/2	2,862.24	1/2	3,092.00	1/2	3,321.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,637.29	3/4	2,867.02	3/4	3,096.79	3/4	3,326.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,642.07	10	2,871.81	10	3,101.57	10	3,331.31	10		10		10		10		10		10	
1/4	2,646.86	1/4	2,876.59	1/4	3,106.36	1/4	3,336.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,651.64	1/2	2,881.38	1/2	3,111.14	1/2	3,340.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,656.43	3/4	2,886.17	3/4	3,115.93	3/4	3,345.68	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,661.21	11	2,890.95	11	3,120.71	11	3,350.47	11		11		11		11		11		11	
1/4	2,666.00	1/4	2,895.74	1/4	3,125.50	1/4	3,355.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,670.79	1/2	2,900.54	1/2	3,130.29	1/2	3,360.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,675.57	3/4	2,905.33	3/4	3,135.07	3/4	3,364.83	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

REVISED: 01/29/1999 ITS
REPRINTED: 03/28/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2003

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 20"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 3/4"

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.
0	0.62	0	204.10	0	452.71	0	700.98	0	949.55	0	1,198.17	0	1,446.81	0	1,695.45	0	1,944.10	0	2,192.74
1/4	1.46	1/4	209.27	1/4	457.89	1/4	706.15	1/4	954.73	1/4	1,203.35	1/4	1,451.99	1/4	1,700.63	1/4	1,949.27	1/4	2,197.92
1/2	2.31	1/2	214.45	1/2	463.07	1/2	711.32	1/2	959.90	1/2	1,208.54	1/2	1,457.17	1/2	1,705.81	1/2	1,954.45	1/2	2,203.10
3/4	3.15	3/4	219.63	3/4	468.25	3/4	716.49	3/4	965.08	3/4	1,213.72	3/4	1,462.35	3/4	1,710.99	3/4	1,959.63	3/4	2,208.27
1	4.00	1	224.81	1	473.43	1	721.67	1	970.26	1	1,218.90	1	1,467.52	1	1,716.17	1	1,964.81	1	2,213.45
1/4	6.46	1/4	229.99	1/4	478.61	1/4	726.83	1/4	975.44	1/4	1,224.08	1/4	1,472.70	1/4	1,721.35	1/4	1,969.99	1/4	2,218.63
1/2	8.93	1/2	235.17	1/2	483.79	1/2	732.00	1/2	980.62	1/2	1,229.26	1/2	1,477.88	1/2	1,726.52	1/2	1,975.18	1/2	2,223.81
3/4	11.39	3/4	240.35	3/4	488.96	3/4	737.17	3/4	985.80	3/4	1,234.44	3/4	1,483.06	3/4	1,731.70	3/4	1,980.36	3/4	2,228.99
2	13.86	2	245.52	2	494.14	2	742.33	2	990.98	2	1,239.62	2	1,488.24	2	1,736.88	2	1,985.55	2	2,234.17
1/4	17.80	1/4	250.71	1/4	499.32	1/4	747.51	1/4	996.16	1/4	1,244.80	1/4	1,493.42	1/4	1,742.07	1/4	1,990.73	1/4	2,239.35
1/2	21.75	1/2	255.89	1/2	504.50	1/2	752.69	1/2	1,001.33	1/2	1,249.98	1/2	1,498.61	1/2	1,747.25	1/2	1,995.91	1/2	2,244.54
3/4	25.70	3/4	261.08	3/4	509.68	3/4	757.87	3/4	1,006.51	3/4	1,255.15	3/4	1,503.79	3/4	1,752.43	3/4	2,001.08	3/4	2,249.72
3	29.64	3	266.26	3	514.86	3	763.05	3	1,011.69	3	1,260.33	3	1,508.98	3	1,757.62	3	2,006.26	3	2,254.90
1/4	34.14	1/4	271.44	1/4	520.04	1/4	768.23	1/4	1,016.87	1/4	1,265.51	1/4	1,514.15	1/4	1,762.80	1/4	2,011.44	1/4	2,260.08
1/2	38.63	1/2	276.62	1/2	525.22	1/2	773.42	1/2	1,022.05	1/2	1,270.69	1/2	1,519.33	1/2	1,767.98	1/2	2,016.62	1/2	2,265.26
3/4	43.13	3/4	281.80	3/4	530.39	3/4	778.60	3/4	1,027.23	3/4	1,275.87	3/4	1,524.51	3/4	1,773.15	3/4	2,021.80	3/4	2,270.44
4	47.62	4	286.98	4	535.57	4	783.79	4	1,032.41	4	1,281.05	4	1,529.69	4	1,778.33	4	2,026.98	4	2,275.62
1/4	51.86	1/4	292.15	1/4	540.74	1/4	788.96	1/4	1,037.59	1/4	1,286.23	1/4	1,534.87	1/4	1,783.51	1/4	2,032.16	1/4	2,280.80
1/2	56.10	1/2	297.33	1/2	545.91	1/2	794.14	1/2	1,042.77	1/2	1,291.41	1/2	1,540.05	1/2	1,788.69	1/2	2,037.33	1/2	2,285.98
3/4	60.33	3/4	302.51	3/4	551.07	3/4	799.32	3/4	1,047.96	3/4	1,296.58	3/4	1,545.23	3/4	1,793.87	3/4	2,042.51	3/4	2,291.15
5	64.57	5	307.69	5	556.24	5	804.50	5	1,053.14	5	1,301.76	5	1,550.41	5	1,799.05	5	2,047.69	5	2,296.33
1/4	68.88	1/4	312.87	1/4	561.41	1/4	809.68	1/4	1,058.32	1/4	1,306.95	1/4	1,555.58	1/4	1,804.23	1/4	2,052.88	1/4	2,301.51
1/2	73.18	1/2	318.05	1/2	566.58	1/2	814.86	1/2	1,063.50	1/2	1,312.13	1/2	1,560.76	1/2	1,809.41	1/2	2,058.06	1/2	2,306.69
3/4	77.48	3/4	323.23	3/4	571.76	3/4	820.04	3/4	1,068.68	3/4	1,317.32	3/4	1,565.94	3/4	1,814.58	3/4	2,063.24	3/4	2,311.87
6	81.79	6	328.41	6	576.93	6	825.21	6	1,073.86	6	1,322.50	6	1,571.12	6	1,819.76	6	2,068.43	6	2,317.05
1/4	86.46	1/4	333.58	1/4	582.10	1/4	830.39	1/4	1,079.04	1/4	1,327.68	1/4	1,576.30	1/4	1,824.95	1/4	2,073.61	1/4	2,322.23
1/2	91.14	1/2	338.76	1/2	587.26	1/2	835.57	1/2	1,084.21	1/2	1,332.86	1/2	1,581.49	1/2	1,830.13	1/2	2,078.79	1/2	2,327.41
3/4	95.82	3/4	343.94	3/4	592.43	3/4	840.75	3/4	1,089.39	3/4	1,338.04	3/4	1,586.67	3/4	1,835.32	3/4	2,083.96	3/4	2,332.58
7	100.50	7	349.12	7	597.60	7	845.93	7	1,094.57	7	1,343.21	7	1,591.86	7	1,840.50	7	2,089.14	7	2,337.76
1/4	105.68	1/4	354.30	1/4	602.77	1/4	851.11	1/4	1,099.75	1/4	1,348.39	1/4	1,597.04	1/4	1,845.68	1/4	2,094.32	1/4	2,342.94
1/2	110.86	1/2	359.48	1/2	607.94	1/2	856.30	1/2	1,104.93	1/2	1,353.57	1/2	1,602.21	1/2	1,850.86	1/2	2,099.50	1/2	2,348.12
3/4	116.04	3/4	364.66	3/4	613.11	3/4	861.48	3/4	1,110.11	3/4	1,358.75	3/4	1,607.39	3/4	1,856.04	3/4	2,104.68	3/4	2,353.30
8	121.21	8	369.83	8	618.29	8	866.67	8	1,115.29	8	1,363.93	8	1,612.57	8	1,861.21	8	2,109.86	8	2,358.48
1/4	126.39	1/4	375.02	1/4	623.45	1/4	871.85	1/4	1,120.47	1/4	1,369.11	1/4	1,617.75	1/4	1,866.39	1/4	2,115.04	1/4	2,363.66
1/2	131.57	1/2	380.20	1/2	628.62	1/2	877.02	1/2	1,125.66	1/2	1,374.29	1/2	1,622.93	1/2	1,871.57	1/2	2,120.21	1/2	2,368.83
3/4	136.75	3/4	385.39	3/4	633.79	3/4	882.20	3/4	1,130.84	3/4	1,379.46	3/4	1,628.11	3/4	1,876.75	3/4	2,125.39	3/4	2,374.01
9	141.93	9	390.57	9	638.95	9	887.38	9	1,136.02	9	1,384.64	9	1,633.29	9	1,881.93	9	2,130.57	9	2,379.19
1/4	147.11	1/4	395.75	1/4	644.12	1/4	892.56	1/4	1,141.20	1/4	1,389.83	1/4	1,638.46	1/4	1,887.11	1/4	2,135.76	1/4	2,384.38
1/2	152.30	1/2	400.93	1/2	649.29	1/2	897.74	1/2	1,146.38	1/2	1,395.01	1/2	1,643.64	1/2	1,892.29	1/2	2,140.94	1/2	2,389.56
3/4	157.48	3/4	406.11	3/4	654.45	3/4	902.92	3/4	1,151.56	3/4	1,400.20	3/4	1,648.82	3/4	1,897.46	3/4	2,146.13	3/4	2,394.74
10	162.67	10	411.29	10	659.62	10	908.10	10	1,156.74	10	1,405.38	10	1,654.00	10	1,902.64	10	2,151.31	10	2,399.93
1/4	167.85	1/4	416.46	1/4	664.79	1/4	913.27	1/4	1,161.92	1/4	1,410.56	1/4	1,659.18	1/4	1,907.83	1/4	2,156.49	1/4	2,405.11
1/2	173.02	1/2	421.64	1/2	669.96	1/2	918.45	1/2	1,167.10	1/2	1,415.74	1/2	1,664.37	1/2	1,913.01	1/2	2,161.68	1/2	2,410.29
3/4	178.20	3/4	426.82	3/4	675.14	3/4	923.63	3/4	1,172.27	3/4	1,420.92	3/4	1,669.55	3/4	1,918.20	3/4	2,166.86	3/4	2,415.46
11	183.38	11	432.00	11	680.31	11	928.81	11	1,177.45	11	1,426.10	11	1,674.74	11	1,923.38	11	2,172.05	11	2,420.64
1/4	188.56	1/4	437.18	1/4	685.48	1/4	933.99	1/4	1,182.63	1/4	1,431.27	1/4	1,679.92	1/4	1,928.56	1/4	2,177.22	1/4	2,425.82
1/2	193.74	1/2	442.36	1/2	690.64	1/2	939.18	1/2	1,187.81	1/2	1,436.45	1/2	1,685.10	1/2	1,933.74	1/2	2,182.39	1/2	2,431.00
3/4	198.92	3/4	447.54	3/4	695.81	3/4	944.36	3/4	1,192.99	3/4	1,441.63	3/4	1,690.27	3/4	1,938.92	3/4	2,187.57	3/4	2,436.18

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 20"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,441.36	0	2,689.98	0	2,938.60	0	3,187.29	0	3,435.95	0		0		0		0		0	
1/4	2,446.54	1/4	2,695.16	1/4	2,943.77	1/4	3,192.46	1/4	3,441.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,451.71	1/2	2,700.33	1/2	2,948.95	1/2	3,197.64	1/2	3,446.32	1/2		1/2		1/2		1/2		1/2	
3/4	2,456.89	3/4	2,705.51	3/4	2,954.13	3/4	3,202.82	3/4	3,451.51	3/4		3/4		3/4		3/4		3/4	
1	2,462.07	1	2,710.69	1	2,959.31	1	3,208.00	1	3,456.69	1		1		1		1		1	
1/4	2,467.25	1/4	2,715.87	1/4	2,964.49	1/4	3,213.18	1/4	3,461.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,472.43	1/2	2,721.05	1/2	2,969.68	1/2	3,218.36	1/2	3,467.05	1/2		1/2		1/2		1/2		1/2	
3/4	2,477.61	3/4	2,726.23	3/4	2,974.86	3/4	3,223.54	3/4	3,472.23	3/4		3/4		3/4		3/4		3/4	
2	2,482.79	2	2,731.41	2	2,980.05	2	3,228.71	2	3,477.40	2		2		2		2		2	
1/4	2,487.96	1/4	2,736.58	1/4	2,985.23	1/4	3,233.90	1/4	3,482.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,493.14	1/2	2,741.76	1/2	2,990.41	1/2	3,239.08	1/2	3,487.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,498.32	3/4	2,746.94	3/4	2,995.58	3/4	3,244.27	3/4	3,492.96	3/4		3/4		3/4		3/4		3/4	
3	2,503.50	3	2,752.12	3	3,000.76	3	3,249.45	3	3,498.14	3		3		3		3		3	
1/4	2,508.69	1/4	2,757.30	1/4	3,005.94	1/4	3,254.63	1/4	3,503.08	1/4		1/4		1/4		1/4		1/4	
1/2	2,513.87	1/2	2,762.48	1/2	3,011.12	1/2	3,259.81	1/2	3,508.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,519.05	3/4	2,767.66	3/4	3,016.30	3/4	3,264.99	3/4	3,512.95	3/4		3/4		3/4		3/4		3/4	
4	2,524.24	4	2,772.83	4	3,021.48	4	3,270.17	4	3,517.88	4		4		4		4		4	
1/4	2,529.42	1/4	2,778.02	1/4	3,026.66	1/4	3,275.35	1/4	3,521.98	1/4		1/4		1/4		1/4		1/4	
1/2	2,534.60	1/2	2,783.20	1/2	3,031.85	1/2	3,280.54	1/2	3,526.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,539.77	3/4	2,788.39	3/4	3,037.03	3/4	3,285.72	3/4	3,530.18	3/4		3/4		3/4		3/4		3/4	
5	2,544.95	5	2,793.57	5	3,042.21	5	3,290.90	5	3,534.29	5		5		5		5		5	
1/4	2,550.13	1/4	2,798.75	1/4	3,047.39	1/4	3,296.08	1/4	3,537.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,555.31	1/2	2,803.93	1/2	3,052.57	1/2	3,301.26	1/2	3,540.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,560.49	3/4	2,809.11	3/4	3,057.75	3/4	3,306.44	3/4	3,544.00	3/4		3/4		3/4		3/4		3/4	
6	2,565.67	6	2,814.29	6	3,062.93	6	3,311.62	6	3,547.24	6		6		6		6		6	
1/4	2,570.85	1/4	2,819.46	1/4	3,068.11	1/4	3,316.80	1/4	3,549.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,576.02	1/2	2,824.64	1/2	3,073.30	1/2	3,321.98	1/2	3,551.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,581.20	3/4	2,829.82	3/4	3,078.48	3/4	3,327.15	3/4	3,554.36	3/4		3/4		3/4		3/4		3/4	
7	2,586.38	7	2,835.00	7	3,083.67	7	3,332.33	7	3,556.74	7		7		7		7		7	
1/4	2,591.56	1/4	2,840.18	1/4	3,088.85	1/4	3,337.52	1/4	3,558.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,596.74	1/2	2,845.36	1/2	3,094.02	1/2	3,342.70	1/2	3,559.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,601.92	3/4	2,850.54	3/4	3,099.20	3/4	3,347.89	3/4	3,561.27	3/4		3/4		3/4		3/4		3/4	
8	2,607.10	8	2,855.71	8	3,104.38	8	3,353.07	8	3,562.79	8		8		8		8		8	
1/4	2,612.27	1/4	2,860.89	1/4	3,109.56	1/4	3,358.25	1/4	3,563.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,617.45	1/2	2,866.07	1/2	3,114.74	1/2	3,363.43	1/2	3,564.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,622.63	3/4	2,871.25	3/4	3,119.92	3/4	3,368.61	3/4	3,564.73	3/4		3/4		3/4		3/4		3/4	
9	2,627.81	9	2,876.43	9	3,125.10	9	3,373.79	9	3,565.38	9		9		9		9		9	
1/4	2,632.99	1/4	2,881.61	1/4	3,130.28	1/4	3,378.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,638.18	1/2	2,886.79	1/2	3,135.46	1/2	3,384.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,643.36	3/4	2,891.96	3/4	3,140.65	3/4	3,389.34	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,648.55	10	2,897.14	10	3,145.83	10	3,394.52	10		10		10		10		10		10	
1/4	2,653.73	1/4	2,902.33	1/4	3,151.01	1/4	3,399.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.91	1/2	2,907.51	1/2	3,156.19	1/2	3,404.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,664.08	3/4	2,912.70	3/4	3,161.37	3/4	3,410.06	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,669.26	11	2,917.88	11	3,166.55	11	3,415.24	11		11		11		11		11		11	
1/4	2,674.44	1/4	2,923.06	1/4	3,171.73	1/4	3,420.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,679.62	1/2	2,928.24	1/2	3,176.92	1/2	3,425.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,684.80	3/4	2,933.42	3/4	3,182.10	3/4	3,430.77	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

REVISED: 01/29/1999 ITS
REPRINTED: 03/28/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2003

PRECISION MEASUREMENT
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BARGE "CBC 20"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 1/4"

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.
0	0.62	0	204.38	0	453.31	0	701.88	0	950.76	0	1,199.71	0	1,448.67	0	1,697.62	0	1,946.57	0	2,195.55
1/4	1.46	1/4	209.57	1/4	458.49	1/4	707.06	1/4	955.95	1/4	1,204.90	1/4	1,453.85	1/4	1,702.80	1/4	1,951.76	1/4	2,200.73
1/2	2.31	1/2	214.75	1/2	463.68	1/2	712.24	1/2	961.13	1/2	1,210.08	1/2	1,459.04	1/2	1,707.99	1/2	1,956.95	1/2	2,205.92
3/4	3.15	3/4	219.93	3/4	468.86	3/4	717.42	3/4	966.32	3/4	1,215.27	3/4	1,464.22	3/4	1,713.17	3/4	1,962.14	3/4	2,211.10
1	4.00	1	225.12	1	474.05	1	722.60	1	971.50	1	1,220.45	1	1,469.40	1	1,718.36	1	1,967.33	1	2,216.29
1/4	6.47	1/4	230.30	1/4	479.23	1/4	727.77	1/4	976.70	1/4	1,225.64	1/4	1,474.60	1/4	1,723.55	1/4	1,972.52	1/4	2,221.47
1/2	8.94	1/2	235.49	1/2	484.42	1/2	732.95	1/2	981.89	1/2	1,230.83	1/2	1,479.79	1/2	1,728.74	1/2	1,977.70	1/2	2,226.65
3/4	11.41	3/4	240.67	3/4	489.60	3/4	738.13	3/4	987.09	3/4	1,236.02	3/4	1,484.98	3/4	1,733.93	3/4	1,982.89	3/4	2,231.84
2	13.88	2	245.86	2	494.79	2	743.31	2	992.29	2	1,241.21	2	1,490.17	2	1,739.12	2	1,988.07	2	2,237.02
1/4	17.83	1/4	251.05	1/4	499.98	1/4	748.49	1/4	997.46	1/4	1,246.40	1/4	1,495.35	1/4	1,744.30	1/4	1,993.26	1/4	2,242.21
1/2	21.79	1/2	256.24	1/2	505.17	1/2	753.68	1/2	1,002.64	1/2	1,251.58	1/2	1,500.54	1/2	1,749.49	1/2	1,998.44	1/2	2,247.39
3/4	25.74	3/4	261.43	3/4	510.36	3/4	758.86	3/4	1,007.82	3/4	1,256.77	3/4	1,505.72	3/4	1,754.67	3/4	2,003.62	3/4	2,252.58
3	29.69	3	266.62	3	515.55	3	764.05	3	1,013.00	3	1,261.95	3	1,510.90	3	1,759.86	3	2,008.81	3	2,257.76
1/4	34.18	1/4	271.80	1/4	520.73	1/4	769.23	1/4	1,018.18	1/4	1,267.14	1/4	1,516.09	1/4	1,765.04	1/4	2,014.00	1/4	2,262.95
1/2	38.68	1/2	276.99	1/2	525.90	1/2	774.42	1/2	1,023.37	1/2	1,272.32	1/2	1,521.27	1/2	1,770.23	1/2	2,019.19	1/2	2,268.14
3/4	43.17	3/4	282.17	3/4	531.08	3/4	779.60	3/4	1,028.55	3/4	1,277.51	3/4	1,526.46	3/4	1,775.41	3/4	2,024.38	3/4	2,273.33
4	47.67	4	287.36	4	536.26	4	784.79	4	1,033.74	4	1,282.69	4	1,531.64	4	1,780.60	4	2,029.57	4	2,278.52
1/4	51.92	1/4	292.54	1/4	541.44	1/4	789.98	1/4	1,038.93	1/4	1,287.88	1/4	1,536.83	1/4	1,785.79	1/4	2,034.76	1/4	2,283.71
1/2	56.17	1/2	297.73	1/2	546.62	1/2	795.17	1/2	1,044.12	1/2	1,293.07	1/2	1,542.02	1/2	1,790.98	1/2	2,039.94	1/2	2,288.89
3/4	60.42	3/4	302.91	3/4	551.80	3/4	800.36	3/4	1,049.31	3/4	1,298.26	3/4	1,547.21	3/4	1,796.17	3/4	2,045.12	3/4	2,294.08
5	64.67	5	308.10	5	556.98	5	805.55	5	1,054.50	5	1,303.45	5	1,552.40	5	1,801.36	5	2,050.31	5	2,299.26
1/4	68.98	1/4	313.29	1/4	562.15	1/4	810.73	1/4	1,059.68	1/4	1,308.64	1/4	1,557.59	1/4	1,806.54	1/4	2,055.50	1/4	2,304.45
1/2	73.29	1/2	318.48	1/2	567.32	1/2	815.92	1/2	1,064.87	1/2	1,313.82	1/2	1,562.77	1/2	1,811.73	1/2	2,060.69	1/2	2,309.63
3/4	77.60	3/4	323.67	3/4	572.49	3/4	821.10	3/4	1,070.05	3/4	1,319.01	3/4	1,567.96	3/4	1,816.91	3/4	2,065.88	3/4	2,314.82
6	81.90	6	328.86	6	577.67	6	826.29	6	1,075.24	6	1,324.19	6	1,573.14	6	1,822.10	6	2,071.07	6	2,320.00
1/4	86.59	1/4	334.04	1/4	582.85	1/4	831.48	1/4	1,080.42	1/4	1,329.37	1/4	1,578.33	1/4	1,827.29	1/4	2,076.26	1/4	2,325.18
1/2	91.27	1/2	339.23	1/2	588.02	1/2	836.67	1/2	1,085.61	1/2	1,334.56	1/2	1,583.51	1/2	1,832.48	1/2	2,081.44	1/2	2,330.37
3/4	95.96	3/4	344.41	3/4	593.20	3/4	841.86	3/4	1,090.79	3/4	1,339.74	3/4	1,588.70	3/4	1,837.67	3/4	2,086.62	3/4	2,335.55
7	100.64	7	349.60	7	598.38	7	847.05	7	1,095.98	7	1,344.93	7	1,593.88	7	1,842.86	7	2,091.81	7	2,340.74
1/4	105.83	1/4	354.78	1/4	603.55	1/4	852.23	1/4	1,101.17	1/4	1,350.12	1/4	1,599.07	1/4	1,848.04	1/4	2,096.99	1/4	2,345.93
1/2	111.02	1/2	359.96	1/2	608.73	1/2	857.42	1/2	1,106.36	1/2	1,355.31	1/2	1,604.26	1/2	1,853.23	1/2	2,102.18	1/2	2,351.12
3/4	116.21	3/4	365.15	3/4	613.90	3/4	862.60	3/4	1,111.55	3/4	1,360.50	3/4	1,609.45	3/4	1,858.41	3/4	2,107.36	3/4	2,356.31
8	121.40	8	370.33	8	619.07	8	867.79	8	1,116.74	8	1,365.69	8	1,614.64	8	1,863.60	8	2,112.55	8	2,361.50
1/4	126.59	1/4	375.52	1/4	624.25	1/4	872.97	1/4	1,121.92	1/4	1,370.88	1/4	1,619.83	1/4	1,868.78	1/4	2,117.74	1/4	2,366.68
1/2	131.77	1/2	380.70	1/2	629.43	1/2	878.15	1/2	1,127.11	1/2	1,376.06	1/2	1,625.01	1/2	1,873.96	1/2	2,122.93	1/2	2,371.87
3/4	136.96	3/4	385.89	3/4	634.61	3/4	883.34	3/4	1,132.29	3/4	1,381.24	3/4	1,630.20	3/4	1,879.15	3/4	2,128.12	3/4	2,377.05
9	142.14	9	391.07	9	639.79	9	888.52	9	1,137.48	9	1,386.43	9	1,635.38	9	1,884.33	9	2,133.31	9	2,382.24
1/4	147.33	1/4	396.26	1/4	644.96	1/4	893.71	1/4	1,142.66	1/4	1,391.61	1/4	1,640.57	1/4	1,889.52	1/4	2,138.49	1/4	2,387.42
1/2	152.51	1/2	401.45	1/2	650.13	1/2	898.89	1/2	1,147.85	1/2	1,396.80	1/2	1,645.75	1/2	1,894.71	1/2	2,143.68	1/2	2,392.61
3/4	157.70	3/4	406.64	3/4	655.30	3/4	904.08	3/4	1,153.03	3/4	1,401.98	3/4	1,650.93	3/4	1,899.90	3/4	2,148.86	3/4	2,397.79
10	162.88	10	411.83	10	660.48	10	909.26	10	1,158.21	10	1,407.17	10	1,656.12	10	1,905.10	10	2,154.05	10	2,402.98
1/4	168.07	1/4	417.02	1/4	665.65	1/4	914.45	1/4	1,163.40	1/4	1,412.36	1/4	1,661.31	1/4	1,910.28	1/4	2,159.23	1/4	2,408.16
1/2	173.26	1/2	422.20	1/2	670.83	1/2	919.64	1/2	1,168.60	1/2	1,417.55	1/2	1,666.50	1/2	1,915.46	1/2	2,164.42	1/2	2,413.35
3/4	178.45	3/4	427.39	3/4	676.01	3/4	924.83	3/4	1,173.79	3/4	1,422.74	3/4	1,671.69	3/4	1,920.65	3/4	2,169.60	3/4	2,418.53
11	183.64	11	432.57	11	681.19	11	930.02	11	1,178.98	11	1,427.93	11	1,676.88	11	1,925.83	11	2,174.79	11	2,423.71
1/4	188.83	1/4	437.76	1/4	686.36	1/4	935.21	1/4	1,184.16	1/4	1,433.11	1/4	1,682.07	1/4	1,931.02	1/4	2,179.98	1/4	2,428.90
1/2	194.01	1/2	442.94	1/2	691.54	1/2	940.39	1/2	1,189.35	1/2	1,438.30	1/2	1,687.25	1/2	1,936.20	1/2	2,185.17	1/2	2,434.10
3/4	199.20	3/4	448.12	3/4	696.71	3/4	945.58	3/4	1,194.53	3/4	1,443.48	3/4	1,692.43	3/4	1,941.39	3/4	2,190.36	3/4	2,439.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "CBC 20"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,444.48	0	2,693.40	0	2,942.33	0	3,191.33	0	3,440.33	0		0		0		0		0	
1/4	2,449.66	1/4	2,698.59	1/4	2,947.52	1/4	3,196.52	1/4	3,445.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,454.85	1/2	2,703.77	1/2	2,952.70	1/2	3,201.71	1/2	3,450.71	1/2		1/2		1/2		1/2		1/2	
3/4	2,460.03	3/4	2,708.96	3/4	2,957.89	3/4	3,206.90	3/4	3,455.90	3/4		3/4		3/4		3/4		3/4	
1	2,465.21	1	2,714.14	1	2,963.07	1	3,212.10	1	3,461.10	1		1		1		1		1	
1/4	2,470.40	1/4	2,719.33	1/4	2,968.26	1/4	3,217.28	1/4	3,466.28	1/4		1/4		1/4		1/4		1/4	
1/2	2,475.58	1/2	2,724.51	1/2	2,973.45	1/2	3,222.46	1/2	3,471.46	1/2		1/2		1/2		1/2		1/2	
3/4	2,480.77	3/4	2,729.70	3/4	2,978.64	3/4	3,227.65	3/4	3,476.65	3/4		3/4		3/4		3/4		3/4	
2	2,485.95	2	2,734.88	2	2,983.83	2	3,232.83	2	3,481.83	2		2		2		2		2	
1/4	2,491.14	1/4	2,740.07	1/4	2,989.02	1/4	3,238.02	1/4	3,487.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,496.32	1/2	2,745.26	1/2	2,994.20	1/2	3,243.21	1/2	3,492.21	1/2		1/2		1/2		1/2		1/2	
3/4	2,501.51	3/4	2,750.45	3/4	2,999.39	3/4	3,248.40	3/4	3,497.40	3/4		3/4		3/4		3/4		3/4	
3	2,506.69	3	2,755.64	3	3,004.57	3	3,253.60	3	3,502.60	3		3		3		3		3	
1/4	2,511.88	1/4	2,760.83	1/4	3,009.76	1/4	3,258.78	1/4	3,507.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,517.07	1/2	2,766.01	1/2	3,014.95	1/2	3,263.96	1/2	3,512.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,522.26	3/4	2,771.20	3/4	3,020.14	3/4	3,269.15	3/4	3,516.85	3/4		3/4		3/4		3/4		3/4	
4	2,527.45	4	2,776.38	4	3,025.33	4	3,274.33	4	3,521.60	4		4		4		4		4	
1/4	2,532.64	1/4	2,781.57	1/4	3,030.52	1/4	3,279.52	1/4	3,525.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.82	1/2	2,786.75	1/2	3,035.70	1/2	3,284.71	1/2	3,529.38	1/2		1/2		1/2		1/2		1/2	
3/4	2,543.01	3/4	2,791.93	3/4	3,040.89	3/4	3,289.90	3/4	3,533.27	3/4		3/4		3/4		3/4		3/4	
5	2,548.19	5	2,797.12	5	3,046.07	5	3,295.10	5	3,537.17	5		5		5		5		5	
1/4	2,553.38	1/4	2,802.30	1/4	3,051.26	1/4	3,300.28	1/4	3,540.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,558.56	1/2	2,807.49	1/2	3,056.45	1/2	3,305.46	1/2	3,543.21	1/2		1/2		1/2		1/2		1/2	
3/4	2,563.74	3/4	2,812.67	3/4	3,061.64	3/4	3,310.65	3/4	3,546.24	3/4		3/4		3/4		3/4		3/4	
6	2,568.93	6	2,817.86	6	3,066.83	6	3,315.83	6	3,549.26	6		6		6		6		6	
1/4	2,574.12	1/4	2,823.05	1/4	3,072.02	1/4	3,321.02	1/4	3,551.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,579.31	1/2	2,828.24	1/2	3,077.20	1/2	3,326.21	1/2	3,553.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,584.50	3/4	2,833.43	3/4	3,082.39	3/4	3,331.40	3/4	3,555.76	3/4		3/4		3/4		3/4		3/4	
7	2,589.69	7	2,838.62	7	3,087.57	7	3,336.60	7	3,557.93	7		7		7		7		7	
1/4	2,594.88	1/4	2,843.80	1/4	3,092.76	1/4	3,341.78	1/4	3,559.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,600.06	1/2	2,848.99	1/2	3,097.95	1/2	3,346.96	1/2	3,560.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,605.24	3/4	2,854.17	3/4	3,103.14	3/4	3,352.15	3/4	3,561.80	3/4		3/4		3/4		3/4		3/4	
8	2,610.43	8	2,859.36	8	3,108.33	8	3,357.33	8	3,563.10	8		8		8		8		8	
1/4	2,615.61	1/4	2,864.54	1/4	3,113.52	1/4	3,362.52	1/4	3,563.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,620.80	1/2	2,869.73	1/2	3,118.70	1/2	3,367.71	1/2	3,563.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,625.98	3/4	2,874.91	3/4	3,123.89	3/4	3,372.90	3/4	3,564.40	3/4		3/4		3/4		3/4		3/4	
9	2,631.17	9	2,880.09	9	3,129.07	9	3,378.10	9	3,564.83	9		9		9		9		9	
1/4	2,636.35	1/4	2,885.28	1/4	3,134.26	1/4	3,383.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,641.54	1/2	2,890.46	1/2	3,139.45	1/2	3,388.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,646.72	3/4	2,895.65	3/4	3,144.64	3/4	3,393.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,651.90	10	2,900.83	10	3,149.83	10	3,398.83	10		10		10		10		10		10	
1/4	2,657.10	1/4	2,906.02	1/4	3,155.02	1/4	3,404.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,662.29	1/2	2,911.21	1/2	3,160.21	1/2	3,409.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,667.48	3/4	2,916.40	3/4	3,165.40	3/4	3,414.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,672.67	11	2,921.60	11	3,170.60	11	3,419.60	11		11		11		11		11		11	
1/4	2,677.85	1/4	2,926.78	1/4	3,175.78	1/4	3,424.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,683.04	1/2	2,931.96	1/2	3,180.96	1/2	3,429.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,688.22	3/4	2,937.15	3/4	3,186.15	3/4	3,435.15	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

REVISED: 01/29/1999 ITS
REPRINTED: 03/28/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2003

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 20"

ULLAGE TRIM TABLE

FORMERLY "GBL 1510" &
"KIRBY 10374"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
TANK 1	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-0/8	01-0/8
TANK 2	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8
TANK 3	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR TANK 1 IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON TANK 1, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 156'-00"

December 27, 2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 20"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 16'-11 5/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	0	0	3,360.05	0	3,130.28	0	2,900.53	0	2,670.78	0	2,429.72	0	2,181.58	0	1,933.39		
1/4	1/4	1/4	1/4	1/4	1/4	3,355.26	1/4	3,125.50	1/4	2,895.74	1/4	2,666.00	1/4	2,424.55	1/4	2,176.41	1/4	1,928.22		
1/2	1/2	1/2	1/2	1/2	1/2	3,350.47	1/2	3,120.71	1/2	2,890.95	1/2	2,661.21	1/2	2,419.38	1/2	2,171.24	1/2	1,923.05		
3/4	3/4	3/4	3/4	3/4	3/4	3,345.68	3/4	3,115.93	3/4	2,886.16	3/4	2,656.43	3/4	2,414.21	3/4	2,166.06	3/4	1,917.88		
1	1	1	1	1	1	3,340.89	1	3,111.14	1	2,881.38	1	2,651.64	1	2,409.05	1	2,160.89	1	1,912.71		
1/4	1/4	1/4	1/4	1/4	1/4	3,336.10	1/4	3,106.35	1/4	2,876.59	1/4	2,646.85	1/4	2,403.88	1/4	2,155.72	1/4	1,907.55		
1/2	1/2	1/2	1/2	1/2	1/2	3,331.31	1/2	3,101.57	1/2	2,871.81	1/2	2,642.07	1/2	2,398.71	1/2	2,150.55	1/2	1,902.38		
3/4	3/4	3/4	3/4	3/4	3/4	3,326.52	3/4	3,096.78	3/4	2,867.02	3/4	2,637.28	3/4	2,393.54	3/4	2,145.38	3/4	1,897.21		
2	2	2	2	2	2	3,321.74	2	3,092.00	2	2,862.24	2	2,632.50	2	2,388.37	2	2,140.21	2	1,892.03		
1/4	1/4	1/4	1/4	1/4	1/4	3,316.95	1/4	3,087.21	1/4	2,857.45	1/4	2,627.71	1/4	2,383.19	1/4	2,135.05	1/4	1,886.86		
1/2	1/2	1/2	5/8	1/2	1/2	3,484.45	1/2	3,312.16	1/2	3,082.43	1/2	2,852.66	1/2	2,622.93	1/2	2,378.02	1/2	2,129.88	1/2	1,881.69
3/4	3/4	3/4	3/4	3/4	3/4	3,484.23	3/4	3,307.38	3/4	3,077.64	3/4	2,847.88	3/4	2,618.14	3/4	2,372.85	3/4	2,124.71	3/4	1,876.52
3	3	3	3	3	3	3,483.79	3	3,302.59	3	3,072.85	3	2,843.09	3	2,613.35	3	2,367.69	3	2,119.53	3	1,871.34
1/4	1/4	1/4	1/4	1/4	1/4	3,483.34	1/4	3,297.81	1/4	3,068.07	1/4	2,838.31	1/4	2,608.57	1/4	2,362.52	1/4	2,114.36	1/4	1,866.17
1/2	1/2	1/2	1/2	1/2	1/2	3,482.71	1/2	3,293.02	1/2	3,063.28	1/2	2,833.52	1/2	2,603.78	1/2	2,357.35	1/2	2,109.19	1/2	1,861.00
3/4	3/4	3/4	3/4	3/4	3/4	3,481.71	3/4	3,288.24	3/4	3,058.49	3/4	2,828.74	3/4	2,599.00	3/4	2,352.18	3/4	2,104.02	3/4	1,855.83
4	4	4	4	4	4	3,480.51	4	3,283.45	4	3,053.70	4	2,823.95	4	2,594.21	4	2,347.01	4	2,098.85	4	1,850.66
1/4	1/4	1/4	1/4	1/4	1/4	3,479.31	1/4	3,278.66	1/4	3,048.91	1/4	2,819.16	1/4	2,589.43	1/4	2,341.84	1/4	2,093.69	1/4	1,845.50
1/2	1/2	1/2	1/2	1/2	1/2	3,477.92	1/2	3,273.88	1/2	3,044.12	1/2	2,814.38	1/2	2,584.56	1/2	2,336.67	1/2	2,088.52	1/2	1,840.33
3/4	3/4	3/4	3/4	3/4	3/4	3,476.12	3/4	3,269.09	3/4	3,039.33	3/4	2,809.59	3/4	2,579.52	3/4	2,331.50	3/4	2,083.35	3/4	1,835.16
5	5	5	5	5	5	3,474.12	5	3,264.31	5	3,034.54	5	2,804.81	5	2,574.39	5	2,326.33	5	2,078.18	5	1,829.99
1/4	1/4	1/4	1/4	1/4	1/4	3,472.12	1/4	3,259.52	1/4	3,029.76	1/4	2,800.02	1/4	2,569.27	1/4	2,321.16	1/4	2,073.00	1/4	1,824.81
1/2	1/2	1/2	1/2	1/2	1/2	3,469.92	1/2	3,254.74	1/2	3,024.97	1/2	2,795.24	1/2	2,564.13	1/2	2,316.00	1/2	2,067.83	1/2	1,819.64
3/4	3/4	3/4	3/4	3/4	3/4	3,467.33	3/4	3,249.95	3/4	3,020.19	3/4	2,790.45	3/4	2,558.97	3/4	2,310.83	3/4	2,062.66	3/4	1,814.47
6	6	6	6	6	6	3,464.53	6	3,245.16	6	3,015.40	6	2,785.66	6	2,553.81	6	2,305.65	6	2,057.49	6	1,809.31
1/4	1/4	1/4	1/4	1/4	1/4	3,461.74	1/4	3,240.38	1/4	3,010.62	1/4	2,780.88	1/4	2,548.64	1/4	2,300.48	1/4	2,052.31	1/4	1,804.14
1/2	1/2	1/2	1/2	1/2	1/2	3,458.75	1/2	3,235.59	1/2	3,005.83	1/2	2,776.09	1/2	2,543.47	1/2	2,295.31	1/2	2,047.14	1/2	1,798.97
3/4	3/4	3/4	3/4	3/4	3/4	3,455.36	3/4	3,230.81	3/4	3,001.05	3/4	2,771.31	3/4	2,538.30	3/4	2,290.15	3/4	2,041.97	3/4	1,793.80
7	7	7	7	7	7	3,451.77	7	3,226.02	7	2,996.26	7	2,766.52	7	2,533.13	7	2,284.99	7	2,036.81	7	1,788.63
1/4	1/4	1/4	1/4	1/4	1/4	3,448.18	1/4	3,221.24	1/4	2,991.47	1/4	2,761.74	1/4	2,527.96	1/4	2,279.83	1/4	2,031.64	1/4	1,783.46
1/2	1/2	1/2	1/2	1/2	1/2	3,444.39	1/2	3,216.45	1/2	2,986.69	1/2	2,756.95	1/2	2,522.78	1/2	2,274.66	1/2	2,026.47	1/2	1,778.28
3/4	3/4	3/4	3/4	3/4	3/4	3,440.21	3/4	3,211.66	3/4	2,981.90	3/4	2,752.16	3/4	2,517.62	3/4	2,269.49	3/4	2,021.30	3/4	1,773.11
8	8	8	8	8	8	3,435.82	8	3,206.88	8	2,977.12	8	2,747.38	8	2,512.45	8	2,264.31	8	2,016.13	8	1,767.94
1/4	1/4	1/4	1/4	1/4	1/4	3,431.43	1/4	3,202.09	1/4	2,972.33	1/4	2,742.59	1/4	2,507.28	1/4	2,259.13	1/4	2,010.96	1/4	1,762.77
1/2	1/2	1/2	1/2	1/2	1/2	3,426.95	1/2	3,197.31	1/2	2,967.55	1/2	2,737.81	1/2	2,502.12	1/2	2,253.95	1/2	2,005.78	1/2	1,757.59
3/4	3/4	3/4	3/4	3/4	3/4	3,422.26	3/4	3,192.52	3/4	2,962.76	3/4	2,733.02	3/4	2,496.94	3/4	2,248.78	3/4	2,000.61	3/4	1,752.43
9	9	9	9	9	9	3,417.47	9	3,187.72	9	2,957.97	9	2,728.22	9	2,491.77	9	2,243.62	9	1,995.44	9	1,747.26
1/4	1/4	1/4	1/4	1/4	1/4	3,412.69	1/4	3,182.93	1/4	2,953.19	1/4	2,723.43	1/4	2,486.60	1/4	2,238.45	1/4	1,990.27	1/4	1,742.09
1/2	1/2	1/2	1/2	1/2	1/2	3,407.90	1/2	3,178.14	1/2	2,948.40	1/2	2,718.64	1/2	2,481.43	1/2	2,233.28	1/2	1,985.09	1/2	1,736.92
3/4	3/4	3/4	3/4	3/4	3/4	3,403.12	3/4	3,173.35	3/4	2,943.62	3/4	2,713.85	3/4	2,476.26	3/4	2,228.11	3/4	1,979.93	3/4	1,731.75
10	10	10	10	10	10	3,398.33	10	3,168.57	10	2,938.83	10	2,709.07	10	2,471.09	10	2,222.94	10	1,974.76	10	1,726.58
1/4	1/4	1/4	1/4	1/4	1/4	3,393.55	1/4	3,163.78	1/4	2,934.05	1/4	2,704.28	1/4	2,465.93	1/4	2,217.77	1/4	1,969.59	1/4	1,721.41
1/2	1/2	1/2	1/2	1/2	1/2	3,388.76	1/2	3,159.00	1/2	2,929.26	1/2	2,699.50	1/2	2,460.76	1/2	2,212.59	1/2	1,964.42	1/2	1,716.24
3/4	3/4	3/4	3/4	3/4	3/4	3,383.97	3/4	3,154.21	3/4	2,924.47	3/4	2,694.71	3/4	2,455.59	3/4	2,207.43	3/4	1,959.25	3/4	1,711.06
11	11	11	11	11	11	3,379.19	11	3,149.43	11	2,919.69	11	2,689.93	11	2,450.41	11	2,202.26	11	1,954.08	11	1,705.89
1/4	1/4	1/4	1/4	1/4	1/4	3,374.40	1/4	3,144.64	1/4	2,914.90	1/4	2,685.14	1/4	2,445.24	1/4	2,197.09	1/4	1,948.91	1/4	1,700.72
1/2	1/2	1/2	1/2	1/2	1/2	3,369.62	1/2	3,139.85	1/2	2,910.12	1/2	2,680.35	1/2	2,440.07	1/2	2,191.92	1/2	1,943.74	1/2	1,695.55
3/4	3/4	3/4	3/4	3/4	3/4	3,364.83	3/4	3,135.07	3/4	2,905.33	3/4	2,675.57	3/4	2,434.90	3/4	2,186.75	3/4	1,938.56	3/4	1,690.38

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CBC 20"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 16'-11 5/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,685.21	0	1,437.03	0	1,188.87	0	940.69	0	692.60	0	444.80	0	196.64	0		0		0	
1/4	1,680.05	1/4	1,431.86	1/4	1,183.69	1/4	935.52	1/4	687.44	1/4	439.62	1/4	191.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,674.88	1/2	1,426.69	1/2	1,178.52	1/2	930.35	1/2	682.28	1/2	434.45	1/2	186.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.71	3/4	1,421.52	3/4	1,173.35	3/4	925.18	3/4	677.13	3/4	429.28	3/4	181.13	3/4	3/4	3/4	3/4	3/4	3/4
1	1,664.53	1	1,416.35	1	1,168.18	1	920.01	1	671.97	1	424.12	1	175.96	1		1		1	
1/4	1,659.36	1/4	1,411.19	1/4	1,163.00	1/4	914.84	1/4	666.82	1/4	418.95	1/4	170.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,654.19	1/2	1,406.02	1/2	1,157.83	1/2	909.66	1/2	661.66	1/2	413.78	1/2	165.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.02	3/4	1,400.85	3/4	1,152.66	3/4	904.49	3/4	656.50	3/4	408.61	3/4	160.44	3/4	3/4	3/4	3/4	3/4	3/4
2	1,643.84	2	1,395.68	2	1,147.50	2	899.32	2	651.34	2	403.44	2	155.27	2		2		2	
1/4	1,638.67	1/4	1,390.50	1/4	1,142.33	1/4	894.15	1/4	646.18	1/4	398.27	1/4	150.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,633.50	1/2	1,385.33	1/2	1,137.16	1/2	888.98	1/2	641.02	1/2	393.09	1/2	144.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,628.33	3/4	1,380.16	3/4	1,131.99	3/4	883.81	3/4	635.86	3/4	387.93	3/4	139.76	3/4	3/4	3/4	3/4	3/4	3/4
3	1,623.16	3	1,374.99	3	1,126.82	3	878.64	3	630.70	3	382.76	3	134.59	3		3		3	
1/4	1,618.00	1/4	1,369.81	1/4	1,121.65	1/4	873.47	1/4	625.54	1/4	377.59	1/4	129.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,612.83	1/2	1,364.64	1/2	1,116.48	1/2	868.31	1/2	620.38	1/2	372.42	1/2	124.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,607.66	3/4	1,359.47	3/4	1,111.31	3/4	863.13	3/4	615.22	3/4	367.25	3/4	119.09	3/4	3/4	3/4	3/4	3/4	3/4
4	1,602.49	4	1,354.31	4	1,106.14	4	857.96	4	610.06	4	362.08	4	113.91	4		4		4	
1/4	1,597.31	1/4	1,349.14	1/4	1,100.97	1/4	852.79	1/4	604.90	1/4	356.91	1/4	108.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,592.14	1/2	1,343.97	1/2	1,095.81	1/2	847.62	1/2	599.74	1/2	351.74	1/2	103.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,586.97	3/4	1,338.80	3/4	1,090.63	3/4	842.45	3/4	594.57	3/4	346.56	3/4	98.44	3/4	3/4	3/4	3/4	3/4	3/4
5	1,581.81	5	1,333.63	5	1,085.46	5	837.28	5	589.41	5	341.39	5	93.31	5		5		5	
1/4	1,576.64	1/4	1,328.46	1/4	1,080.29	1/4	832.12	1/4	584.25	1/4	336.22	1/4	88.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,571.47	1/2	1,323.28	1/2	1,075.12	1/2	826.95	1/2	579.09	1/2	331.05	1/2	83.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,566.30	3/4	1,318.12	3/4	1,069.94	3/4	821.78	3/4	573.94	3/4	325.88	3/4	78.06	3/4	3/4	3/4	3/4	3/4	3/4
6	1,561.13	6	1,312.95	6	1,064.77	6	816.60	6	568.78	6	320.71	6	73.08	6		6		6	
1/4	1,555.96	1/4	1,307.78	1/4	1,059.60	1/4	811.43	1/4	563.63	1/4	315.55	1/4	68.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,550.78	1/2	1,302.62	1/2	1,054.43	1/2	806.26	1/2	558.47	1/2	310.38	1/2	63.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,545.61	3/4	1,297.44	3/4	1,049.26	3/4	801.09	3/4	553.31	3/4	305.21	3/4	58.41	3/4	3/4	3/4	3/4	3/4	3/4
7	1,540.44	7	1,292.27	7	1,044.09	7	795.91	7	548.15	7	300.03	7	53.70	7		7		7	
1/4	1,535.27	1/4	1,287.10	1/4	1,038.93	1/4	790.74	1/4	542.99	1/4	294.86	1/4	48.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.09	1/2	1,281.93	1/2	1,033.76	1/2	785.57	1/2	537.83	1/2	289.69	1/2	44.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,524.93	3/4	1,276.75	3/4	1,028.59	3/4	780.40	3/4	532.66	3/4	284.52	3/4	39.90	3/4	3/4	3/4	3/4	3/4	3/4
8	1,519.76	8	1,271.58	8	1,023.41	8	775.24	8	527.50	8	279.35	8	35.51	8		8		8	
1/4	1,514.59	1/4	1,266.41	1/4	1,018.24	1/4	770.07	1/4	522.33	1/4	274.19	1/4	31.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,509.42	1/2	1,261.24	1/2	1,013.07	1/2	764.90	1/2	517.16	1/2	269.02	1/2	26.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,504.25	3/4	1,256.07	3/4	1,007.90	3/4	759.73	3/4	512.00	3/4	263.85	3/4	23.24	3/4	3/4	3/4	3/4	3/4	3/4
9	1,499.08	9	1,250.90	9	1,002.74	9	754.56	9	506.83	9	258.68	9	19.74	9		9		9	
1/4	1,493.91	1/4	1,245.74	1/4	997.57	1/4	749.38	1/4	501.66	1/4	253.50	1/4	16.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,488.74	1/2	1,240.57	1/2	992.40	1/2	744.21	1/2	496.50	1/2	248.33	1/2	13.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,483.56	3/4	1,235.40	3/4	987.23	3/4	739.05	3/4	491.32	3/4	243.16	3/4	10.60	3/4	3/4	3/4	3/4	3/4	3/4
10	1,478.39	10	1,230.24	10	982.06	10	733.89	10	486.15	10	238.00	10	8.47	10		10		10	
1/4	1,473.22	1/4	1,225.07	1/4	976.88	1/4	728.73	1/4	480.98	1/4	232.83	1/4	6.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,468.05	1/2	1,219.90	1/2	971.71	1/2	723.57	1/2	475.81	1/2	227.66	1/2	4.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,462.88	3/4	1,214.73	3/4	966.54	3/4	718.41	3/4	470.64	3/4	222.49	3/4	3.41	3/4	3/4	3/4	3/4	3/4	3/4
11	1,457.71	11	1,209.56	11	961.37	11	713.25	11	465.47	11	217.32	11	2.61	11		11		11	
1/4	1,452.55	1/4	1,204.38	1/4	956.19	1/4	708.09	1/4	460.31	1/4	212.15	1/4	1.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,447.38	1/2	1,199.21	1/2	951.02	1/2	702.93	1/2	455.14	1/2	206.98	1/2	1.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,442.21	3/4	1,194.04	3/4	945.85	3/4	697.77	3/4	449.97	3/4	201.81	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4

REVISED: 01/29/1999 ITS
REPRINTED: 03/14/2003 SW

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BARGE "CBC 20"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	0	0	3,451.51	0	3,202.82	0	2,954.13	0	2,705.51	0	2,456.89	0	2,208.27	0	1,959.63		
1/4	1/4	1/4	1/4	1/4	1/4	3,446.32	1/4	3,197.64	1/4	2,948.95	1/4	2,700.33	1/4	2,451.71	1/4	2,203.09	1/4	1,954.45		
1/2	1/2	1/2	1/2	1/2	1/2	3,441.14	1/2	3,192.46	1/2	2,943.77	1/2	2,695.15	1/2	2,446.53	1/2	2,197.92	1/2	1,949.27		
3/4	3/4	3/4	3/4	3/4	3/4	3,435.95	3/4	3,187.28	3/4	2,938.59	3/4	2,689.98	3/4	2,441.36	3/4	2,192.74	3/4	1,944.09		
1	1	1	1	1	1	3,430.77	1	3,182.10	1	2,933.42	1	2,684.80	1	2,436.18	1	2,187.56	1	1,938.92		
1/4	1/4	1/4	1/4	1/4	1/4	3,425.59	1/4	3,176.92	1/4	2,928.24	1/4	2,679.62	1/4	2,431.00	1/4	2,182.39	1/4	1,933.74		
1/2	1/2	1/2	1/2	1/2	1/2	3,420.42	1/2	3,171.73	1/2	2,923.06	1/2	2,674.44	1/2	2,425.82	1/2	2,177.22	1/2	1,928.56		
3/4	3/4	3/4	3/4	3/4	3/4	3,415.24	3/4	3,166.55	3/4	2,917.88	3/4	2,669.26	3/4	2,420.64	3/4	2,172.05	3/4	1,923.38		
2	2	2	2	2	2	3,410.06	2	3,161.37	2	2,912.70	2	2,664.08	2	2,415.46	2	2,166.86	2	1,918.20		
1/4	1/4	1/4	1/4	1/4	1/4	3,404.88	1/4	3,156.19	1/4	2,907.51	1/4	2,658.90	1/4	2,410.28	1/4	2,161.68	1/4	1,913.01		
1/2	1/2	1/2	1/2	1/2	1/2	3,399.70	1/2	3,151.01	1/2	2,902.33	1/2	2,653.73	1/2	2,405.11	1/2	2,156.49	1/2	1,907.83		
3/4	3/4	3/4	3/4	3/4	3/4	3,394.52	3/4	3,145.83	3/4	2,897.14	3/4	2,648.55	3/4	2,399.93	3/4	2,151.31	3/4	1,902.64		
3	3	3	3	3	3	3,389.34	3	3,140.65	3	2,891.96	3	2,643.36	3	2,394.74	3	2,146.12	3	1,897.46		
1/4	1/4	1/4	1/4	1/4	1/4	3,384.15	1/4	3,135.46	1/4	2,886.79	1/4	2,638.18	1/4	2,389.56	1/4	2,140.94	1/4	1,892.29		
1/2	1/2	1/2	1/2	1/2	1/2	3,378.97	1/2	3,130.28	1/2	2,881.61	1/2	2,632.99	1/2	2,384.37	1/2	2,135.76	1/2	1,887.11		
3/4	3/4	3/4	3/4	3/4	3/4	3,373.78	3/4	3,125.09	3/4	2,876.43	3/4	2,627.81	3/4	2,379.19	3/4	2,130.57	3/4	1,881.93		
4	4	4	4	4	4	3,564.73	4	3,368.61	4	3,119.92	4	2,871.25	4	2,622.63	4	2,374.01	4	2,125.39	4	1,876.75
1/4	1/4	1/4	1/4	1/4	1/4	3,564.08	1/4	3,363.43	1/4	3,114.74	1/4	2,866.07	1/4	2,617.45	1/4	2,368.83	1/4	2,120.21	1/4	1,871.57
1/2	1/2	1/2	1/2	1/2	1/2	3,563.43	1/2	3,358.25	1/2	3,109.56	1/2	2,860.89	1/2	2,612.27	1/2	2,363.65	1/2	2,115.03	1/2	1,866.39
3/4	3/4	3/4	3/4	3/4	3/4	3,562.78	3/4	3,353.07	3/4	3,104.38	3/4	2,855.71	3/4	2,607.09	3/4	2,358.48	3/4	2,109.86	3/4	1,861.21
5	5	5	5	5	5	3,561.27	5	3,347.89	5	3,099.20	5	2,850.53	5	2,601.92	5	2,353.30	5	2,104.68	5	1,856.03
1/4	1/4	1/4	1/4	1/4	1/4	3,559.76	1/4	3,342.70	1/4	3,094.02	1/4	2,845.36	1/4	2,596.74	1/4	2,348.12	1/4	2,099.50	1/4	1,850.86
1/2	1/2	1/2	1/2	1/2	1/2	3,558.25	1/2	3,337.52	1/2	3,088.84	1/2	2,840.18	1/2	2,591.56	1/2	2,342.94	1/2	2,094.32	1/2	1,845.68
3/4	3/4	3/4	3/4	3/4	3/4	3,556.74	3/4	3,332.33	3/4	3,083.67	3/4	2,835.00	3/4	2,586.38	3/4	2,337.76	3/4	2,089.14	3/4	1,840.50
6	6	6	6	6	6	3,554.36	6	3,327.15	6	3,078.48	6	2,829.82	6	2,581.20	6	2,332.58	6	2,083.96	6	1,835.31
1/4	1/4	1/4	1/4	1/4	1/4	3,551.99	1/4	3,321.98	1/4	3,073.30	1/4	2,824.64	1/4	2,576.02	1/4	2,327.40	1/4	2,078.78	1/4	1,830.13
1/2	1/2	1/2	1/2	1/2	1/2	3,549.61	1/2	3,316.80	1/2	3,068.11	1/2	2,819.46	1/2	2,570.84	1/2	2,322.23	1/2	2,073.61	1/2	1,824.95
3/4	3/4	3/4	3/4	3/4	3/4	3,547.24	3/4	3,311.62	3/4	3,062.93	3/4	2,814.28	3/4	2,565.67	3/4	2,317.05	3/4	2,068.43	3/4	1,819.76
7	7	7	7	7	7	3,544.00	7	3,306.44	7	3,057.75	7	2,809.11	7	2,560.49	7	2,311.87	7	2,063.24	7	1,814.58
1/4	1/4	1/4	1/4	1/4	1/4	3,540.76	1/4	3,301.26	1/4	3,052.57	1/4	2,803.93	1/4	2,555.31	1/4	2,306.69	1/4	2,058.06	1/4	1,809.40
1/2	1/2	1/2	1/2	1/2	1/2	3,537.52	1/2	3,296.08	1/2	3,047.39	1/2	2,798.75	1/2	2,550.13	1/2	2,301.51	1/2	2,052.87	1/2	1,804.23
3/4	3/4	3/4	3/4	3/4	3/4	3,534.28	3/4	3,290.90	3/4	3,042.21	3/4	2,793.57	3/4	2,544.95	3/4	2,296.33	3/4	2,047.69	3/4	1,799.05
8	8	8	8	8	8	3,530.18	8	3,285.72	8	3,037.03	8	2,788.39	8	2,539.77	8	2,291.15	8	2,042.51	8	1,793.87
1/4	1/4	1/4	1/4	1/4	1/4	3,526.08	1/4	3,280.53	1/4	3,031.84	1/4	2,783.20	1/4	2,534.59	1/4	2,285.98	1/4	2,037.33	1/4	1,788.69
1/2	1/2	1/2	1/2	1/2	1/2	3,521.98	1/2	3,275.35	1/2	3,026.66	1/2	2,778.02	1/2	2,529.42	1/2	2,280.80	1/2	2,032.15	1/2	1,783.51
3/4	3/4	3/4	3/4	3/4	3/4	3,517.88	3/4	3,270.17	3/4	3,021.48	3/4	2,772.83	3/4	2,524.24	3/4	2,275.62	3/4	2,026.98	3/4	1,778.33
9	9	9	9	9	9	3,512.95	9	3,264.99	9	3,016.30	9	2,767.65	9	2,519.05	9	2,270.44	9	2,021.80	9	1,773.15
1/4	1/4	1/4	1/4	1/4	1/4	3,508.01	1/4	3,259.81	1/4	3,011.12	1/4	2,762.48	1/4	2,513.87	1/4	2,265.26	1/4	2,016.62	1/4	1,767.98
1/2	1/2	1/2	1/2	1/2	1/2	3,503.08	1/2	3,254.63	1/2	3,005.94	1/2	2,757.30	1/2	2,508.68	1/2	2,260.08	1/2	2,011.44	1/2	1,762.80
3/4	3/4	3/4	3/4	3/4	3/4	3,498.14	3/4	3,249.45	3/4	3,000.76	3/4	2,752.12	3/4	2,503.50	3/4	2,254.90	3/4	2,006.26	3/4	1,757.62
10	10	10	10	10	10	3,492.96	10	3,244.27	10	2,995.58	10	2,746.94	10	2,498.32	10	2,249.72	10	2,001.08	10	1,752.43
1/4	1/4	1/4	1/4	1/4	1/4	3,487.77	1/4	3,239.08	1/4	2,990.40	1/4	2,741.76	1/4	2,493.14	1/4	2,244.53	1/4	1,995.90	1/4	1,747.25
1/2	1/2	1/2	1/2	1/2	1/2	3,482.59	1/2	3,233.90	1/2	2,985.23	1/2	2,736.58	1/2	2,487.96	1/2	2,239.35	1/2	1,990.73	1/2	1,742.06
3/4	3/4	3/4	3/4	3/4	3/4	3,477.40	3/4	3,228.71	3/4	2,980.05	3/4	2,731.40	3/4	2,482.79	3/4	2,234.17	3/4	1,985.55	3/4	1,736.88
11	11	11	11	11	11	3,472.23	11	3,223.54	11	2,974.86	11	2,726.23	11	2,477.61	11	2,228.99	11	1,980.36	11	1,731.70
1/4	1/4	1/4	1/4	1/4	1/4	3,467.05	1/4	3,218.36	1/4	2,969.68	1/4	2,721.05	1/4	2,472.43	1/4	2,223.81	1/4	1,975.18	1/4	1,726.52
1/2	1/2	1/2	1/2	1/2	1/2	3,461.87	1/2	3,213.18	1/2	2,964.49	1/2	2,715.87	1/2	2,467.25	1/2	2,218.63	1/2	1,969.99	1/2	1,721.34
3/4	3/4	3/4	3/4	3/4	3/4	3,456.69	3/4	3,208.00	3/4	2,959.31	3/4	2,710.69	3/4	2,462.07	3/4	2,213.45	3/4	1,964.81	3/4	1,716.17

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "CBC 20"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,710.99	0	1,462.34	0	1,213.72	0	965.08	0	716.49	0	468.25	0	219.63	0	3.15	0		0	
1/4	1,705.81	1/4	1,457.17	1/4	1,208.53	1/4	959.90	1/4	711.32	1/4	463.07	1/4	214.45	1/4	2.31	1/4		1/4	
1/2	1,700.63	1/2	1,451.99	1/2	1,203.35	1/2	954.73	1/2	706.15	1/2	457.89	1/2	209.27	1/2	1.46	1/2		1/2	
3/4	1,695.45	3/4	1,446.81	3/4	1,198.17	3/4	949.55	3/4	700.98	3/4	452.71	3/4	204.09	3/4	0.62	3/4		3/4	
1	1,690.27	1	1,441.63	1	1,192.99	1	944.36	1	695.81	1	447.53	1	198.92	1		1		1	
1/4	1,685.09	1/4	1,436.45	1/4	1,187.81	1/4	939.18	1/4	690.64	1/4	442.36	1/4	193.74	1/4		1/4		1/4	
1/2	1,679.92	1/2	1,431.27	1/2	1,182.63	1/2	933.99	1/2	685.48	1/2	437.18	1/2	188.56	1/2		1/2		1/2	
3/4	1,674.74	3/4	1,426.09	3/4	1,177.45	3/4	928.81	3/4	680.31	3/4	432.00	3/4	183.38	3/4		3/4		3/4	
2	1,669.55	2	1,420.92	2	1,172.27	2	923.63	2	675.14	2	426.82	2	178.20	2		2		2	
1/4	1,664.37	1/4	1,415.74	1/4	1,167.09	1/4	918.45	1/4	669.96	1/4	421.64	1/4	173.02	1/4		1/4		1/4	
1/2	1,659.18	1/2	1,410.56	1/2	1,161.92	1/2	913.27	1/2	664.79	1/2	416.46	1/2	167.84	1/2		1/2		1/2	
3/4	1,654.00	3/4	1,405.38	3/4	1,156.74	3/4	908.09	3/4	659.62	3/4	411.28	3/4	162.67	3/4		3/4		3/4	
3	1,648.82	3	1,400.20	3	1,151.56	3	902.92	3	654.45	3	406.11	3	157.48	3		3		3	
1/4	1,643.64	1/4	1,395.01	1/4	1,146.38	1/4	897.74	1/4	649.28	1/4	400.93	1/4	152.30	1/4		1/4		1/4	
1/2	1,638.46	1/2	1,389.83	1/2	1,141.20	1/2	892.56	1/2	644.12	1/2	395.75	1/2	147.11	1/2		1/2		1/2	
3/4	1,633.28	3/4	1,384.64	3/4	1,136.02	3/4	887.38	3/4	638.95	3/4	390.57	3/4	141.93	3/4		3/4		3/4	
4	1,628.11	4	1,379.46	4	1,130.84	4	882.20	4	633.78	4	385.39	4	136.75	4		4		4	
1/4	1,622.93	1/4	1,374.29	1/4	1,125.65	1/4	877.02	1/4	628.62	1/4	380.20	1/4	131.57	1/4		1/4		1/4	
1/2	1,617.75	1/2	1,369.11	1/2	1,120.47	1/2	871.84	1/2	623.45	1/2	375.02	1/2	126.39	1/2		1/2		1/2	
3/4	1,612.57	3/4	1,363.93	3/4	1,115.29	3/4	866.67	3/4	618.28	3/4	369.83	3/4	121.21	3/4		3/4		3/4	
5	1,607.39	5	1,358.75	5	1,110.11	5	861.48	5	613.11	5	364.65	5	116.03	5		5		5	
1/4	1,602.21	1/4	1,353.57	1/4	1,104.93	1/4	856.30	1/4	607.94	1/4	359.48	1/4	110.86	1/4		1/4		1/4	
1/2	1,597.03	1/2	1,348.39	1/2	1,099.75	1/2	851.11	1/2	602.77	1/2	354.30	1/2	105.68	1/2		1/2		1/2	
3/4	1,591.86	3/4	1,343.21	3/4	1,094.57	3/4	845.93	3/4	597.59	3/4	349.12	3/4	100.50	3/4		3/4		3/4	
6	1,586.67	6	1,338.03	6	1,089.39	6	840.75	6	592.43	6	343.94	6	95.82	6		6		6	
1/4	1,581.49	1/4	1,332.86	1/4	1,084.21	1/4	835.57	1/4	587.26	1/4	338.76	1/4	91.14	1/4		1/4		1/4	
1/2	1,576.30	1/2	1,327.68	1/2	1,079.03	1/2	830.39	1/2	582.09	1/2	333.58	1/2	86.46	1/2		1/2		1/2	
3/4	1,571.12	3/4	1,322.50	3/4	1,073.86	3/4	825.21	3/4	576.93	3/4	328.40	3/4	81.78	3/4		3/4		3/4	
7	1,565.94	7	1,317.31	7	1,068.68	7	820.03	7	571.75	7	323.23	7	77.48	7		7		7	
1/4	1,560.76	1/4	1,312.13	1/4	1,063.50	1/4	814.86	1/4	566.58	1/4	318.05	1/4	73.18	1/4		1/4		1/4	
1/2	1,555.58	1/2	1,306.95	1/2	1,058.32	1/2	809.68	1/2	561.41	1/2	312.87	1/2	68.87	1/2		1/2		1/2	
3/4	1,550.40	3/4	1,301.76	3/4	1,053.14	3/4	804.50	3/4	556.24	3/4	307.69	3/4	64.57	3/4		3/4		3/4	
8	1,545.23	8	1,296.58	8	1,047.96	8	799.32	8	551.07	8	302.51	8	60.33	8		8		8	
1/4	1,540.05	1/4	1,291.40	1/4	1,042.77	1/4	794.14	1/4	545.90	1/4	297.33	1/4	56.09	1/4		1/4		1/4	
1/2	1,534.87	1/2	1,286.23	1/2	1,037.59	1/2	788.96	1/2	540.74	1/2	292.15	1/2	51.86	1/2		1/2		1/2	
3/4	1,529.69	3/4	1,281.05	3/4	1,032.40	3/4	783.78	3/4	535.57	3/4	286.98	3/4	47.62	3/4		3/4		3/4	
9	1,524.51	9	1,275.87	9	1,027.23	9	778.60	9	530.39	9	281.80	9	43.12	9		9		9	
1/4	1,519.33	1/4	1,270.69	1/4	1,022.05	1/4	773.42	1/4	525.21	1/4	276.62	1/4	38.63	1/4		1/4		1/4	
1/2	1,514.15	1/2	1,265.51	1/2	1,016.87	1/2	768.23	1/2	520.04	1/2	271.44	1/2	34.14	1/2		1/2		1/2	
3/4	1,508.98	3/4	1,260.33	3/4	1,011.69	3/4	763.05	3/4	514.86	3/4	266.26	3/4	29.64	3/4		3/4		3/4	
10	1,503.79	10	1,255.15	10	1,006.51	10	757.87	10	509.68	10	261.08	10	25.70	10		10		10	
1/4	1,498.61	1/4	1,249.98	1/4	1,001.33	1/4	752.69	1/4	504.50	1/4	255.89	1/4	21.75	1/4		1/4		1/4	
1/2	1,493.42	1/2	1,244.80	1/2	996.15	1/2	747.51	1/2	499.32	1/2	250.71	1/2	17.80	1/2		1/2		1/2	
3/4	1,488.24	3/4	1,239.62	3/4	990.98	3/4	742.33	3/4	494.14	3/4	245.52	3/4	13.86	3/4		3/4		3/4	
11	1,483.06	11	1,234.44	11	985.80	11	737.17	11	488.96	11	240.34	11	11.39	11		11		11	
1/4	1,477.88	1/4	1,229.26	1/4	980.62	1/4	732.00	1/4	483.79	1/4	235.17	1/4	8.93	1/4		1/4		1/4	
1/2	1,472.70	1/2	1,224.08	1/2	975.44	1/2	726.83	1/2	478.61	1/2	229.99	1/2	6.46	1/2		1/2		1/2	
3/4	1,467.52	3/4	1,218.90	3/4	970.26	3/4	721.67	3/4	473.43	3/4	224.81	3/4	4.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

REVISED: 01/29/1999 ITS
REPRINTED: 03/14/2003 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2003

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 20"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	3,445.52	0	3,196.52	0	2,947.51	0	2,698.59	0	2,449.66	0	2,200.73	0	1,951.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.33	1/4	3,191.33	1/4	2,942.33	1/4	2,693.40	1/4	2,444.47	1/4	2,195.54	1/4	1,946.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,435.15	1/2	3,186.15	1/2	2,937.15	1/2	2,688.22	1/2	2,439.28	1/2	2,190.35	1/2	1,941.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,429.96	3/4	3,180.96	3/4	2,931.96	3/4	2,683.03	3/4	2,434.09	3/4	2,185.16	3/4	1,936.20		
1		1		1		1	3,424.78	1	3,175.78	1	2,926.78	1	2,677.85	1	2,428.90	1	2,179.97	1	1,931.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,419.59	1/4	3,170.59	1/4	2,921.59	1/4	2,672.66	1/4	2,423.71	1/4	2,174.78	1/4	1,925.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.40	1/2	3,165.40	1/2	2,916.40	1/2	2,667.47	1/2	2,418.53	1/2	2,169.60	1/2	1,920.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,409.21	3/4	3,160.21	3/4	2,911.21	3/4	2,662.28	3/4	2,413.34	3/4	2,164.41	3/4	1,915.46		
2		2		2		2	3,404.02	2	3,155.02	2	2,906.02	2	2,657.09	2	2,408.16	2	2,159.23	2	1,910.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.83	1/4	3,149.83	1/4	2,900.83	1/4	2,651.90	1/4	2,402.97	1/4	2,154.04	1/4	1,905.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,393.65	1/2	3,144.64	1/2	2,895.65	1/2	2,646.72	1/2	2,397.79	1/2	2,148.86	1/2	1,899.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,388.46	3/4	3,139.45	3/4	2,890.46	3/4	2,641.53	3/4	2,392.60	3/4	2,143.68	3/4	1,894.71		
3		3		3		3	3,383.28	3	3,134.26	3	2,885.28	3	2,636.35	3	2,387.42	3	2,138.49	3	1,889.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,564.83	1/4	3,378.09	1/4	3,129.07	1/4	2,880.09	1/4	2,631.16	1/4	2,382.23	1/4	2,133.31	1/4	1,884.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,564.40	1/2	3,372.90	1/2	3,123.88	1/2	2,874.91	1/2	2,625.98	1/2	2,377.05	1/2	2,128.12	1/2	1,879.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,563.96	3/4	3,367.71	3/4	3,118.70	3/4	2,869.72	3/4	2,620.79	3/4	2,371.87	3/4	2,122.93	3/4	1,873.96
4		4		4		4	3,563.53	4	3,362.52	4	3,113.51	4	2,864.54	4	2,615.61	4	2,366.68	4	2,117.73	4	1,868.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,563.09	1/4	3,357.33	1/4	3,108.33	1/4	2,859.35	1/4	2,610.43	1/4	2,361.50	1/4	2,112.54	1/4	1,863.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,561.80	1/2	3,352.15	1/2	3,103.14	1/2	2,854.17	1/2	2,605.24	1/2	2,356.31	1/2	2,107.36	1/2	1,858.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,560.51	3/4	3,346.96	3/4	3,097.95	3/4	2,848.98	3/4	2,600.06	3/4	2,351.12	3/4	2,102.18	3/4	1,853.22
5		5		5		5	3,559.22	5	3,341.78	5	3,092.76	5	2,843.80	5	2,594.87	5	2,345.93	5	2,096.99	5	1,848.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,557.93	1/4	3,336.59	1/4	3,087.57	1/4	2,838.62	1/4	2,589.69	1/4	2,340.73	1/4	2,091.81	1/4	1,842.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,555.76	1/2	3,331.40	1/2	3,082.38	1/2	2,833.43	1/2	2,584.50	1/2	2,335.55	1/2	2,086.62	1/2	1,837.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,553.59	3/4	3,326.21	3/4	3,077.20	3/4	2,828.23	3/4	2,579.31	3/4	2,330.37	3/4	2,081.44	3/4	1,832.47
6		6		6		6	3,551.43	6	3,321.02	6	3,072.01	6	2,823.04	6	2,574.12	6	2,325.18	6	2,076.25	6	1,827.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,549.26	1/4	3,315.83	1/4	3,066.83	1/4	2,817.85	1/4	2,568.93	1/4	2,320.00	1/4	2,071.07	1/4	1,822.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,546.23	1/2	3,310.65	1/2	3,061.64	1/2	2,812.67	1/2	2,563.74	1/2	2,314.81	1/2	2,065.88	1/2	1,816.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,543.21	3/4	3,305.46	3/4	3,056.45	3/4	2,807.48	3/4	2,558.56	3/4	2,309.63	3/4	2,060.69	3/4	1,811.72
7		7		7		7	3,540.19	7	3,300.28	7	3,051.26	7	2,802.30	7	2,553.37	7	2,304.44	7	2,055.50	7	1,806.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,537.16	1/4	3,295.09	1/4	3,046.07	1/4	2,797.12	1/4	2,548.19	1/4	2,299.26	1/4	2,050.31	1/4	1,801.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,533.27	1/2	3,289.90	1/2	3,040.88	1/2	2,791.93	1/2	2,543.00	1/2	2,294.07	1/2	2,045.12	1/2	1,796.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,529.38	3/4	3,284.71	3/4	3,035.70	3/4	2,786.75	3/4	2,537.82	3/4	2,288.89	3/4	2,039.94	3/4	1,790.97
8		8		8		8	3,525.48	8	3,279.52	8	3,030.51	8	2,781.56	8	2,532.63	8	2,283.70	8	2,034.75	8	1,785.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,521.59	1/4	3,274.33	1/4	3,025.33	1/4	2,776.38	1/4	2,527.45	1/4	2,278.52	1/4	2,029.57	1/4	1,780.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,516.84	1/2	3,269.15	1/2	3,020.14	1/2	2,771.19	1/2	2,522.26	1/2	2,273.33	1/2	2,024.38	1/2	1,775.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,512.09	3/4	3,263.96	3/4	3,014.95	3/4	2,766.01	3/4	2,517.07	3/4	2,268.14	3/4	2,019.19	3/4	1,770.22
9		9		9		9	3,507.34	9	3,258.78	9	3,009.76	9	2,760.82	9	2,511.88	9	2,262.95	9	2,014.00	9	1,765.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,502.59	1/4	3,253.59	1/4	3,004.57	1/4	2,755.64	1/4	2,506.69	1/4	2,257.76	1/4	2,008.81	1/4	1,759.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,497.40	1/2	3,248.40	1/2	2,999.38	1/2	2,750.45	1/2	2,501.50	1/2	2,252.57	1/2	2,003.62	1/2	1,754.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,492.21	3/4	3,243.21	3/4	2,994.20	3/4	2,745.26	3/4	2,496.32	3/4	2,247.39	3/4	1,998.44	3/4	1,749.48
10		10		10		10	3,487.02	10	3,238.02	10	2,989.01	10	2,740.07	10	2,491.13	10	2,242.20	10	1,993.25	10	1,744.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,481.83	1/4	3,232.83	1/4	2,983.83	1/4	2,734.88	1/4	2,485.95	1/4	2,237.02	1/4	1,988.07	1/4	1,739.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,476.65	1/2	3,227.65	1/2	2,978.64	1/2	2,729.69	1/2	2,480.76	1/2	2,231.84	1/2	1,982.88	1/2	1,733.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,471.46	3/4	3,222.46	3/4	2,973.45	3/4	2,724.51	3/4	2,475.58	3/4	2,226.65	3/4	1,977.70	3/4	1,728.73
11		11		11		11	3,466.28	11	3,217.28	11	2,968.26	11	2,719.32	11	2,470.40	11	2,221.47	11	1,972.51	11	1,723.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,461.09	1/4	3,212.09	1/4	2,963.07	1/4	2,714.14	1/4	2,465.21	1/4	2,216.28	1/4	1,967.33	1/4	1,718.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,455.90	1/2	3,206.90	1/2	2,957.88	1/2	2,708.95	1/2	2,460.03	1/2	2,211.10	1/2	1,962.14	1/2	1,713.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,450.71	3/4	3,201.71	3/4	2,952.70	3/4	2,703.77	3/4	2,454.84	3/4	2,205.91	3/4	1,956.95	3/4	1,707.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC STANDPIPE) LOCATED NEAR GEOMETRIC CENTER OF TANK.
 CAPACITY TABLE REVISED 01/29/1999 FOR NEW GAUGE POINT LOCATION.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CBC 20"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "GBL 1510" & "KIRBY 10374"

GAUGE HEIGHT 17'-00 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,702.80	0	1,453.85	0	1,204.90	0	955.94	0	707.06	0	458.49	0	209.56	0	1.46	0		0	
1/4	1,697.62	1/4	1,448.66	1/4	1,199.71	1/4	950.76	1/4	701.88	1/4	453.31	1/4	204.38	1/4	0.62	1/4		1/4	
1/2	1,692.43	1/2	1,443.48	1/2	1,194.53	1/2	945.57	1/2	696.71	1/2	448.12	1/2	199.19	1/2		1/2		1/2	
3/4	1,687.25	3/4	1,438.29	3/4	1,189.34	3/4	940.39	3/4	691.53	3/4	442.94	3/4	194.01	3/4		3/4		3/4	
1	1,682.06	1	1,433.11	1	1,184.16	1	935.20	1	686.36	1	437.75	1	188.82	1		1		1	
1/4	1,676.88	1/4	1,427.93	1/4	1,178.97	1/4	930.02	1/4	681.19	1/4	432.57	1/4	183.64	1/4		1/4		1/4	
1/2	1,671.69	1/2	1,422.73	1/2	1,173.78	1/2	924.83	1/2	676.01	1/2	427.38	1/2	178.45	1/2		1/2		1/2	
3/4	1,666.50	3/4	1,417.54	3/4	1,168.59	3/4	919.64	3/4	670.83	3/4	422.20	3/4	173.26	3/4		3/4		3/4	
2	1,661.31	2	1,412.35	2	1,163.40	2	914.45	2	665.65	2	417.01	2	168.07	2		2		2	
1/4	1,656.12	1/4	1,407.16	1/4	1,158.21	1/4	909.26	1/4	660.47	1/4	411.83	1/4	162.88	1/4		1/4		1/4	
1/2	1,650.93	1/2	1,401.98	1/2	1,153.03	1/2	904.07	1/2	655.30	1/2	406.64	1/2	157.69	1/2		1/2		1/2	
3/4	1,645.75	3/4	1,396.79	3/4	1,147.84	3/4	898.89	3/4	650.13	3/4	401.45	3/4	152.51	3/4		3/4		3/4	
3	1,640.56	3	1,391.61	3	1,142.66	3	893.70	3	644.96	3	396.26	3	147.32	3		3		3	
1/4	1,635.38	1/4	1,386.43	1/4	1,137.47	1/4	888.52	1/4	639.78	1/4	391.07	1/4	142.14	1/4		1/4		1/4	
1/2	1,630.19	1/2	1,381.24	1/2	1,132.29	1/2	883.34	1/2	634.60	1/2	385.88	1/2	136.95	1/2		1/2		1/2	
3/4	1,625.01	3/4	1,376.06	3/4	1,127.10	3/4	878.15	3/4	629.43	3/4	380.70	3/4	131.77	3/4		3/4		3/4	
4	1,619.82	4	1,370.87	4	1,121.92	4	872.97	4	624.25	4	375.51	4	126.59	4		4		4	
1/4	1,614.64	1/4	1,365.69	1/4	1,116.73	1/4	867.78	1/4	619.07	1/4	370.33	1/4	121.40	1/4		1/4		1/4	
1/2	1,609.45	1/2	1,360.50	1/2	1,111.54	1/2	862.60	1/2	613.90	1/2	365.15	1/2	116.21	1/2		1/2		1/2	
3/4	1,604.26	3/4	1,355.31	3/4	1,106.35	3/4	857.41	3/4	608.72	3/4	359.96	3/4	111.02	3/4		3/4		3/4	
5	1,599.07	5	1,350.12	5	1,101.16	5	852.23	5	603.55	5	354.78	5	105.83	5		5		5	
1/4	1,593.88	1/4	1,344.92	1/4	1,095.97	1/4	847.04	1/4	598.38	1/4	349.59	1/4	100.64	1/4		1/4		1/4	
1/2	1,588.69	1/2	1,339.74	1/2	1,090.79	1/2	841.85	1/2	593.20	1/2	344.41	1/2	95.96	1/2		1/2		1/2	
3/4	1,583.51	3/4	1,334.56	3/4	1,085.60	3/4	836.66	3/4	588.02	3/4	339.22	3/4	91.27	3/4		3/4		3/4	
6	1,578.32	6	1,329.37	6	1,080.42	6	831.47	6	582.84	6	334.04	6	86.59	6		6		6	
1/4	1,573.14	1/4	1,324.19	1/4	1,075.23	1/4	826.28	1/4	577.66	1/4	328.85	1/4	81.90	1/4		1/4		1/4	
1/2	1,567.95	1/2	1,319.00	1/2	1,070.05	1/2	821.10	1/2	572.49	1/2	323.66	1/2	77.59	1/2		1/2		1/2	
3/4	1,562.77	3/4	1,313.82	3/4	1,064.87	3/4	815.91	3/4	567.32	3/4	318.47	3/4	73.28	3/4		3/4		3/4	
7	1,557.59	7	1,308.63	7	1,059.68	7	810.73	7	562.15	7	313.28	7	68.97	7		7		7	
1/4	1,552.40	1/4	1,303.45	1/4	1,054.50	1/4	805.54	1/4	556.97	1/4	308.09	1/4	64.66	1/4		1/4		1/4	
1/2	1,547.21	1/2	1,298.26	1/2	1,049.31	1/2	800.35	1/2	551.79	1/2	302.91	1/2	60.41	1/2		1/2		1/2	
3/4	1,542.02	3/4	1,293.07	3/4	1,044.12	3/4	795.16	3/4	546.62	3/4	297.72	3/4	56.16	3/4		3/4		3/4	
8	1,536.83	8	1,287.88	8	1,038.93	8	789.97	8	541.44	8	292.54	8	51.91	8		8		8	
1/4	1,531.64	1/4	1,282.69	1/4	1,033.73	1/4	784.78	1/4	536.26	1/4	287.35	1/4	47.66	1/4		1/4		1/4	
1/2	1,526.45	1/2	1,277.50	1/2	1,028.55	1/2	779.60	1/2	531.08	1/2	282.17	1/2	43.17	1/2		1/2		1/2	
3/4	1,521.27	3/4	1,272.32	3/4	1,023.37	3/4	774.41	3/4	525.90	3/4	276.98	3/4	38.68	3/4		3/4		3/4	
9	1,516.09	9	1,267.13	9	1,018.18	9	769.23	9	520.72	9	271.80	9	34.18	9		9		9	
1/4	1,510.90	1/4	1,261.95	1/4	1,013.00	1/4	764.04	1/4	515.54	1/4	266.62	1/4	29.69	1/4		1/4		1/4	
1/2	1,505.72	1/2	1,256.76	1/2	1,007.82	1/2	758.86	1/2	510.35	1/2	261.43	1/2	25.73	1/2		1/2		1/2	
3/4	1,500.53	3/4	1,251.58	3/4	1,002.64	3/4	753.68	3/4	505.16	3/4	256.23	3/4	21.78	3/4		3/4		3/4	
10	1,495.35	10	1,246.40	10	997.46	10	748.49	10	499.97	10	251.04	10	17.83	10		10		10	
1/4	1,490.16	1/4	1,241.21	1/4	992.28	1/4	743.31	1/4	494.78	1/4	245.85	1/4	13.88	1/4		1/4		1/4	
1/2	1,484.97	1/2	1,236.02	1/2	987.09	1/2	738.13	1/2	489.60	1/2	240.67	1/2	11.41	1/2		1/2		1/2	
3/4	1,479.78	3/4	1,230.83	3/4	981.89	3/4	732.95	3/4	484.41	3/4	235.48	3/4	8.94	3/4		3/4		3/4	
11	1,474.59	11	1,225.64	11	976.69	11	727.77	11	479.23	11	230.30	11	6.47	11		11		11	
1/4	1,469.40	1/4	1,220.45	1/4	971.50	1/4	722.59	1/4	474.04	1/4	225.12	1/4	4.00	1/4		1/4		1/4	
1/2	1,464.22	1/2	1,215.26	1/2	966.31	1/2	717.41	1/2	468.86	1/2	219.93	1/2	3.15	1/2		1/2		1/2	
3/4	1,459.03	3/4	1,210.08	3/4	961.13	3/4	712.23	3/4	463.68	3/4	214.75	3/4	2.31	3/4		3/4		3/4	

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REVISED: 01/29/1999 ITS
REPRINTED: 03/14/2003 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2003

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