



# BARGE "KIRBY 21856"

# PORT INNAGE TABLE

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

FORMERLY "HEDGES"

BERGAN MIDSHIP DFG GAUGING SYSTEM

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	0.95	0	229.40	0	640.86	0	1,161.62	0	1,761.64	0	2,421.21	0	3,125.26	0	3,861.14	0	4,617.57	0	5,384.17
1/4	2.33	1/4	236.78	1/4	650.88	1/4	1,173.51	1/4	1,774.92	1/4	2,435.54	1/4	3,140.35	1/4	3,876.76	1/4	4,633.49	1/4	5,400.17
1/2	3.71	1/2	244.15	1/2	660.90	1/2	1,185.39	1/2	1,788.19	1/2	2,449.86	1/2	3,155.44	1/2	3,892.37	1/2	4,649.42	1/2	5,416.18
3/4	5.10	3/4	251.53	3/4	670.93	3/4	1,197.28	3/4	1,801.46	3/4	2,464.18	3/4	3,170.53	3/4	3,907.98	3/4	4,665.34	3/4	5,432.18
1	6.48	1	258.90	1	680.95	1	1,209.17	1	1,814.74	1	2,478.50	1	3,185.62	1	3,923.60	1	4,681.26	1	5,448.19
1/4	8.99	1/4	266.30	1/4	690.98	1/4	1,221.06	1/4	1,828.02	1/4	2,492.83	1/4	3,200.72	1/4	3,939.21	1/4	4,697.18	1/4	5,464.20
1/2	11.51	1/2	273.69	1/2	701.01	1/2	1,232.95	1/2	1,841.31	1/2	2,507.17	1/2	3,215.82	1/2	3,954.83	1/2	4,713.10	1/2	5,480.20
3/4	14.03	3/4	281.08	3/4	711.04	3/4	1,244.85	3/4	1,854.60	3/4	2,521.50	3/4	3,230.92	3/4	3,970.45	3/4	4,729.01	3/4	5,496.21
2	16.55	2	288.48	2	721.07	2	1,256.74	2	1,867.88	2	2,535.83	2	3,246.02	2	3,986.07	2	4,744.93	2	5,512.21
1/4	19.81	1/4	296.37	1/4	731.45	1/4	1,268.88	1/4	1,881.35	1/4	2,550.30	1/4	3,261.21	1/4	4,001.75	1/4	4,760.88	1/4	5,528.21
1/2	23.07	1/2	304.26	1/2	741.82	1/2	1,281.02	1/2	1,894.82	1/2	2,564.77	1/2	3,276.40	1/2	4,017.43	1/2	4,776.82	1/2	5,544.20
3/4	26.33	3/4	312.15	3/4	752.20	3/4	1,293.17	3/4	1,908.29	3/4	2,579.24	3/4	3,291.60	3/4	4,033.11	3/4	4,792.77	3/4	5,560.20
3	29.60	3	320.05	3	762.57	3	1,305.31	3	1,921.76	3	2,593.71	3	3,306.79	3	4,048.79	3	4,808.71	3	5,576.19
1/4	33.46	1/4	327.96	1/4	772.96	1/4	1,317.46	1/4	1,935.24	1/4	2,608.19	1/4	3,321.99	1/4	4,064.47	1/4	4,824.66	1/4	5,592.19
1/2	37.32	1/2	335.88	1/2	783.35	1/2	1,329.62	1/2	1,948.73	1/2	2,622.67	1/2	3,337.19	1/2	4,080.15	1/2	4,840.61	1/2	5,608.19
3/4	41.18	3/4	343.80	3/4	793.73	3/4	1,341.77	3/4	1,962.21	3/4	2,637.14	3/4	3,352.39	3/4	4,095.84	3/4	4,856.55	3/4	5,624.19
4	45.05	4	351.71	4	804.12	4	1,353.93	4	1,975.69	4	2,651.62	4	3,367.60	4	4,111.52	4	4,872.50	4	5,640.19
1/4	49.43	1/4	360.10	1/4	814.82	1/4	1,366.32	1/4	1,989.35	1/4	2,666.23	1/4	3,382.89	1/4	4,127.27	1/4	4,888.47	1/4	5,656.18
1/2	53.82	1/2	368.48	1/2	825.52	1/2	1,378.71	1/2	2,003.01	1/2	2,680.83	1/2	3,398.18	1/2	4,143.01	1/2	4,904.44	1/2	5,672.17
3/4	58.21	3/4	376.86	3/4	836.23	3/4	1,391.11	3/4	2,016.67	3/4	2,695.44	3/4	3,413.47	3/4	4,158.76	3/4	4,920.41	3/4	5,688.15
5	62.60	5	385.24	5	846.93	5	1,403.50	5	2,030.33	5	2,710.05	5	3,428.76	5	4,174.50	5	4,936.38	5	5,704.14
1/4	67.43	1/4	393.64	1/4	857.65	1/4	1,415.90	1/4	2,044.00	1/4	2,724.67	1/4	3,444.06	1/4	4,190.24	1/4	4,952.35	1/4	5,720.12
1/2	72.27	1/2	402.04	1/2	868.37	1/2	1,428.30	1/2	2,057.67	1/2	2,739.29	1/2	3,459.36	1/2	4,205.99	1/2	4,968.32	1/2	5,736.11
3/4	77.11	3/4	410.43	3/4	879.09	3/4	1,440.70	3/4	2,071.33	3/4	2,753.90	3/4	3,474.65	3/4	4,221.73	3/4	4,984.29	3/4	5,752.09
6	81.95	6	418.83	6	889.81	6	1,453.10	6	2,085.00	6	2,768.52	6	3,489.95	6	4,237.48	6	5,000.26	6	5,768.07
1/4	87.21	1/4	427.66	1/4	900.83	1/4	1,465.73	1/4	2,098.83	1/4	2,783.26	1/4	3,505.33	1/4	4,253.27	1/4	5,016.25	1/4	5,784.04
1/2	92.48	1/2	436.49	1/2	911.86	1/2	1,478.36	1/2	2,112.67	1/2	2,798.00	1/2	3,520.71	1/2	4,269.06	1/2	5,032.24	1/2	5,800.01
3/4	97.74	3/4	445.32	3/4	922.88	3/4	1,490.99	3/4	2,126.50	3/4	2,812.74	3/4	3,536.10	3/4	4,284.85	3/4	5,048.23	3/4	5,815.98
7	103.00	7	454.14	7	933.90	7	1,503.62	7	2,140.33	7	2,827.48	7	3,551.48	7	4,300.64	7	5,064.21	7	5,831.95
1/4	108.64	1/4	462.99	1/4	944.94	1/4	1,516.26	1/4	2,154.18	1/4	2,842.22	1/4	3,566.86	1/4	4,316.43	1/4	5,080.20	1/4	5,847.92
1/2	114.29	1/2	471.85	1/2	955.98	1/2	1,528.89	1/2	2,168.02	1/2	2,856.96	1/2	3,582.25	1/2	4,332.23	1/2	5,096.18	1/2	5,863.89
3/4	119.93	3/4	480.70	3/4	967.01	3/4	1,541.53	3/4	2,181.87	3/4	2,871.71	3/4	3,597.64	3/4	4,348.02	3/4	5,112.16	3/4	5,879.86
8	125.57	8	489.55	8	978.05	8	1,554.17	8	2,195.71	8	2,886.45	8	3,613.02	8	4,363.81	8	5,128.14	8	5,895.83
1/4	131.58	1/4	498.80	1/4	989.37	1/4	1,567.02	1/4	2,209.73	1/4	2,901.32	1/4	3,628.49	1/4	4,379.65	1/4	5,144.14	1/4	5,911.78
1/2	137.58	1/2	508.05	1/2	1,000.69	1/2	1,579.88	1/2	2,223.74	1/2	2,916.18	1/2	3,643.95	1/2	4,395.49	1/2	5,160.14	1/2	5,927.73
3/4	143.59	3/4	517.30	3/4	1,012.01	3/4	1,592.74	3/4	2,237.75	3/4	2,931.04	3/4	3,659.42	3/4	4,411.33	3/4	5,176.14	3/4	5,943.67
9	149.60	9	526.55	9	1,023.33	9	1,605.60	9	2,251.76	9	2,945.90	9	3,674.88	9	4,427.17	9	5,192.14	9	5,959.62
1/4	155.93	1/4	535.82	1/4	1,034.67	1/4	1,618.46	1/4	2,265.78	1/4	2,960.77	1/4	3,690.35	1/4	4,443.01	1/4	5,208.14	1/4	5,975.57
1/2	162.27	1/2	545.08	1/2	1,046.01	1/2	1,631.32	1/2	2,279.80	1/2	2,975.64	1/2	3,705.82	1/2	4,458.86	1/2	5,224.14	1/2	5,991.51
3/4	168.61	3/4	554.35	3/4	1,057.35	3/4	1,644.18	3/4	2,293.82	3/4	2,990.51	3/4	3,721.29	3/4	4,474.70	3/4	5,240.14	3/4	6,007.46
10	174.95	10	563.62	10	1,068.69	10	1,657.05	10	2,307.83	10	3,005.38	10	3,736.76	10	4,490.55	10	5,256.14	10	6,023.41
1/4	181.61	1/4	573.27	1/4	1,080.30	1/4	1,670.11	1/4	2,322.00	1/4	3,020.36	1/4	3,752.31	1/4	4,506.42	1/4	5,272.14	1/4	6,039.33
1/2	188.26	1/2	582.92	1/2	1,091.92	1/2	1,683.18	1/2	2,336.17	1/2	3,035.35	1/2	3,767.86	1/2	4,522.30	1/2	5,288.14	1/2	6,055.25
3/4	194.92	3/4	592.57	3/4	1,103.53	3/4	1,696.24	3/4	2,350.33	3/4	3,050.33	3/4	3,783.40	3/4	4,538.17	3/4	5,304.14	3/4	6,071.17
11	201.57	11	602.21	11	1,115.14	11	1,709.31	11	2,364.50	11	3,065.31	11	3,798.95	11	4,554.05	11	5,320.14	11	6,087.10
1/4	208.53	1/4	611.88	1/4	1,126.76	1/4	1,722.39	1/4	2,378.68	1/4	3,080.30	1/4	3,814.50	1/4	4,569.93	1/4	5,336.15	1/4	6,103.01
1/2	215.49	1/2	621.54	1/2	1,138.38	1/2	1,735.48	1/2	2,392.86	1/2	3,095.29	1/2	3,830.05	1/2	4,585.81	1/2	5,352.15	1/2	6,118.93
3/4	222.45	3/4	631.20	3/4	1,150.00	3/4	1,748.56	3/4	2,407.04	3/4	3,110.27	3/4	3,845.60	3/4	4,601.69	3/4	5,368.16	3/4	6,134.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
GAUGE POINT: BERGAN MIDSHIP DFG GAUGING SYSTEM.

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# BARGE "KIRBY 21856"

# PORT INNAGE TABLE

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

FORMERLY "HEDGES"

BERGAN MIDSHIP DFG GAUGING SYSTEM

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	6,150.76	0	6,907.19	0	7,643.10	0	8,347.12	0	9,006.71	0	9,606.71	0	10,127.31	0	10,537.90	0	10,766.36	0	
1/4	6,166.64	1/4	6,922.74	1/4	7,658.08	1/4	8,361.30	1/4	9,019.79	1/4	9,618.33	1/4	10,136.93	1/4	10,544.86	1/4		1/4	
1/2	6,182.52	1/2	6,938.29	1/2	7,673.07	1/2	8,375.48	1/2	9,032.87	1/2	9,629.95	1/2	10,146.55	1/2	10,551.82	1/2		1/2	
3/4	6,198.40	3/4	6,953.83	3/4	7,688.06	3/4	8,389.65	3/4	9,045.95	3/4	9,641.57	3/4	10,156.17	3/4	10,558.78	3/4		3/4	
1	6,214.29	1	6,969.38	1	7,703.05	1	8,403.83	1	9,059.02	1	9,653.19	1	10,165.79	1	10,565.74	1		1	
1/4	6,230.17	1/4	6,984.93	1/4	7,718.02	1/4	8,418.00	1/4	9,072.09	1/4	9,664.80	1/4	10,175.39	1/4	10,572.40	1/4		1/4	
1/2	6,246.05	1/2	7,000.48	1/2	7,733.00	1/2	8,432.17	1/2	9,085.15	1/2	9,676.42	1/2	10,184.99	1/2	10,579.06	1/2		1/2	
3/4	6,261.93	3/4	7,016.02	3/4	7,747.98	3/4	8,446.33	3/4	9,098.22	3/4	9,688.03	3/4	10,194.59	3/4	10,585.72	3/4		3/4	
2	6,277.81	2	7,031.57	2	7,762.95	2	8,460.50	2	9,111.29	2	9,699.64	2	10,204.19	2	10,592.38	2		2	
1/4	6,293.65	1/4	7,047.04	1/4	7,777.83	1/4	8,474.52	1/4	9,124.15	1/4	9,710.98	1/4	10,213.42	1/4	10,598.71	1/4		1/4	
1/2	6,309.49	1/2	7,062.51	1/2	7,792.70	1/2	8,488.54	1/2	9,137.02	1/2	9,722.32	1/2	10,222.64	1/2	10,605.05	1/2		1/2	
3/4	6,325.33	3/4	7,077.98	3/4	7,807.58	3/4	8,502.55	3/4	9,149.89	3/4	9,733.66	3/4	10,231.87	3/4	10,611.38	3/4		3/4	
3	6,341.17	3	7,093.45	3	7,822.45	3	8,516.57	3	9,162.76	3	9,745.00	3	10,241.10	3	10,617.71	3		3	
1/4	6,357.01	1/4	7,108.92	1/4	7,837.32	1/4	8,530.58	1/4	9,175.61	1/4	9,756.33	1/4	10,250.31	1/4	10,623.73	1/4		1/4	
1/2	6,372.84	1/2	7,124.39	1/2	7,852.18	1/2	8,544.60	1/2	9,188.46	1/2	9,767.65	1/2	10,259.52	1/2	10,629.74	1/2		1/2	
3/4	6,388.68	3/4	7,139.86	3/4	7,867.04	3/4	8,558.61	3/4	9,201.32	3/4	9,778.98	3/4	10,268.74	3/4	10,635.75	3/4		3/4	
4	6,404.52	4	7,155.33	4	7,881.90	4	8,572.62	4	9,214.17	4	9,790.31	4	10,277.95	4	10,641.76	4		4	
1/4	6,420.32	1/4	7,170.71	1/4	7,896.65	1/4	8,586.46	1/4	9,226.80	1/4	9,801.34	1/4	10,286.76	1/4	10,647.40	1/4		1/4	
1/2	6,436.12	1/2	7,186.10	1/2	7,911.39	1/2	8,600.31	1/2	9,239.44	1/2	9,812.37	1/2	10,295.56	1/2	10,653.05	1/2		1/2	
3/4	6,451.92	3/4	7,201.48	3/4	7,926.14	3/4	8,614.15	3/4	9,252.08	3/4	9,823.40	3/4	10,304.36	3/4	10,658.69	3/4		3/4	
5	6,467.71	5	7,216.86	5	7,940.88	5	8,628.00	5	9,264.71	5	9,834.43	5	10,313.17	5	10,664.33	5		5	
1/4	6,483.51	1/4	7,232.24	1/4	7,955.62	1/4	8,641.84	1/4	9,277.35	1/4	9,845.45	1/4	10,322.00	1/4	10,669.60	1/4		1/4	
1/2	6,499.30	1/2	7,247.62	1/2	7,970.36	1/2	8,655.68	1/2	9,289.98	1/2	9,856.48	1/2	10,330.83	1/2	10,674.86	1/2		1/2	
3/4	6,515.09	3/4	7,263.00	3/4	7,985.10	3/4	8,669.52	3/4	9,302.61	3/4	9,867.50	3/4	10,339.67	3/4	10,680.12	3/4		3/4	
6	6,530.88	6	7,278.38	6	7,999.83	6	8,683.36	6	9,315.24	6	9,878.52	6	10,348.50	6	10,685.38	6		6	
1/4	6,546.63	1/4	7,293.68	1/4	8,014.45	1/4	8,697.02	1/4	9,327.64	1/4	9,889.24	1/4	10,356.89	1/4	10,690.22	1/4		1/4	
1/2	6,562.37	1/2	7,308.98	1/2	8,029.06	1/2	8,710.69	1/2	9,340.05	1/2	9,899.96	1/2	10,365.29	1/2	10,695.06	1/2		1/2	
3/4	6,578.11	3/4	7,324.27	3/4	8,043.67	3/4	8,724.36	3/4	9,352.45	3/4	9,910.68	3/4	10,373.68	3/4	10,699.90	3/4		3/4	
7	6,593.86	7	7,339.57	7	8,058.29	7	8,738.02	7	9,364.86	7	9,921.40	7	10,382.07	7	10,704.74	7		7	
1/4	6,609.60	1/4	7,354.86	1/4	8,072.90	1/4	8,751.68	1/4	9,377.25	1/4	9,932.11	1/4	10,390.46	1/4	10,709.12	1/4		1/4	
1/2	6,625.33	1/2	7,370.15	1/2	8,087.51	1/2	8,765.33	1/2	9,389.64	1/2	9,942.81	1/2	10,398.85	1/2	10,713.50	1/2		1/2	
3/4	6,641.07	3/4	7,385.45	3/4	8,102.12	3/4	8,778.99	3/4	9,402.04	3/4	9,953.51	3/4	10,407.23	3/4	10,717.88	3/4		3/4	
8	6,656.81	8	7,400.74	8	8,116.74	8	8,792.64	8	9,414.43	8	9,964.21	8	10,415.62	8	10,722.26	8		8	
1/4	6,672.49	1/4	7,415.94	1/4	8,131.21	1/4	8,806.12	1/4	9,426.58	1/4	9,974.60	1/4	10,423.53	1/4	10,726.13	1/4		1/4	
1/2	6,688.18	1/2	7,431.14	1/2	8,145.69	1/2	8,819.61	1/2	9,438.73	1/2	9,984.99	1/2	10,431.44	1/2	10,730.00	1/2		1/2	
3/4	6,703.86	3/4	7,446.35	3/4	8,160.17	3/4	8,833.09	3/4	9,450.88	3/4	9,995.38	3/4	10,439.35	3/4	10,733.87	3/4		3/4	
9	6,719.55	9	7,461.55	9	8,174.64	9	8,846.57	9	9,463.02	9	10,005.76	9	10,447.26	9	10,737.74	9		9	
1/4	6,735.23	1/4	7,476.74	1/4	8,189.11	1/4	8,860.05	1/4	9,475.17	1/4	10,016.14	1/4	10,455.16	1/4	10,741.00	1/4		1/4	
1/2	6,750.90	1/2	7,491.94	1/2	8,203.58	1/2	8,873.52	1/2	9,487.32	1/2	10,026.51	1/2	10,463.06	1/2	10,744.26	1/2		1/2	
3/4	6,766.58	3/4	7,507.14	3/4	8,218.05	3/4	8,887.00	3/4	9,499.47	3/4	10,036.89	3/4	10,470.96	3/4	10,747.52	3/4		3/4	
10	6,782.26	10	7,522.33	10	8,232.52	10	8,900.48	10	9,511.62	10	10,047.26	10	10,478.86	10	10,750.79	10		10	
1/4	6,797.88	1/4	7,537.43	1/4	8,246.85	1/4	8,913.76	1/4	9,523.51	1/4	10,057.30	1/4	10,486.24	1/4	10,753.30	1/4		1/4	
1/2	6,813.50	1/2	7,552.52	1/2	8,261.18	1/2	8,927.05	1/2	9,535.40	1/2	10,067.33	1/2	10,493.63	1/2	10,755.81	1/2		1/2	
3/4	6,829.12	3/4	7,567.62	3/4	8,275.51	3/4	8,940.33	3/4	9,547.30	3/4	10,077.37	3/4	10,501.02	3/4	10,758.32	3/4		3/4	
11	6,844.74	11	7,582.71	11	8,289.83	11	8,953.62	11	9,559.19	11	10,087.40	11	10,508.40	11	10,760.83	11		11	
1/4	6,860.35	1/4	7,597.81	1/4	8,304.15	1/4	8,966.89	1/4	9,571.07	1/4	10,097.38	1/4	10,515.78	1/4	10,762.21	1/4		1/4	
1/2	6,875.96	1/2	7,612.90	1/2	8,318.48	1/2	8,980.17	1/2	9,582.95	1/2	10,107.36	1/2	10,523.15	1/2	10,763.60	1/2		1/2	
3/4	6,891.58	3/4	7,628.00	3/4	8,332.80	3/4	8,993.44	3/4	9,594.83	3/4	10,117.33	3/4	10,530.53	3/4	10,764.98	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/1964 CM  
REPRINTED: 11/30/2007 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2007



# BARGE "KIRBY 21856"

# STBD INNAGE TABLE

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

FORMERLY "HEDGES"

BERGAN MIDSHIP DFG GAUGING SYSTEM

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	0.95	0	229.57	0	641.26	0	1,162.36	0	1,762.74	0	2,422.71	0	3,127.19	0	3,863.52	0	4,620.43	0	5,387.48
1/4	2.33	1/4	236.95	1/4	651.29	1/4	1,174.24	1/4	1,776.02	1/4	2,437.05	1/4	3,142.29	1/4	3,879.15	1/4	4,636.35	1/4	5,403.49
1/2	3.71	1/2	244.32	1/2	661.32	1/2	1,186.13	1/2	1,789.30	1/2	2,451.38	1/2	3,157.39	1/2	3,894.77	1/2	4,652.27	1/2	5,419.50
3/4	5.10	3/4	251.70	3/4	671.35	3/4	1,198.02	3/4	1,802.58	3/4	2,465.71	3/4	3,172.49	3/4	3,910.40	3/4	4,668.20	3/4	5,435.51
1	6.48	1	259.07	1	681.38	1	1,209.90	1	1,815.86	1	2,480.05	1	3,187.60	1	3,926.02	1	4,684.12	1	5,451.52
1/4	8.99	1/4	266.46	1/4	691.42	1/4	1,221.81	1/4	1,829.15	1/4	2,494.39	1/4	3,202.70	1/4	3,941.65	1/4	4,700.05	1/4	5,467.54
1/2	11.51	1/2	273.86	1/2	701.45	1/2	1,233.71	1/2	1,842.44	1/2	2,508.73	1/2	3,217.81	1/2	3,957.27	1/2	4,715.99	1/2	5,483.55
3/4	14.03	3/4	281.25	3/4	711.49	3/4	1,245.62	3/4	1,855.73	3/4	2,523.07	3/4	3,232.92	3/4	3,972.90	3/4	4,731.92	3/4	5,499.56
2	16.55	2	288.64	2	721.52	2	1,257.52	2	1,869.02	2	2,537.40	2	3,248.02	2	3,988.52	2	4,747.86	2	5,515.57
1/4	19.81	1/4	296.55	1/4	731.90	1/4	1,269.67	1/4	1,882.51	1/4	2,551.88	1/4	3,263.23	1/4	4,004.21	1/4	4,763.81	1/4	5,531.58
1/2	23.07	1/2	304.45	1/2	742.29	1/2	1,281.82	1/2	1,895.99	1/2	2,566.36	1/2	3,278.43	1/2	4,019.91	1/2	4,779.76	1/2	5,547.60
3/4	26.33	3/4	312.36	3/4	752.67	3/4	1,293.97	3/4	1,909.47	3/4	2,580.83	3/4	3,293.63	3/4	4,035.60	3/4	4,795.71	3/4	5,563.61
3	29.60	3	320.26	3	763.05	3	1,306.12	3	1,922.95	3	2,595.31	3	3,308.83	3	4,051.29	3	4,811.67	3	5,579.62
1/4	33.47	1/4	328.18	1/4	773.44	1/4	1,318.28	1/4	1,936.45	1/4	2,609.80	1/4	3,324.05	1/4	4,066.98	1/4	4,827.63	1/4	5,595.63
1/2	37.35	1/2	336.10	1/2	783.83	1/2	1,330.44	1/2	1,949.94	1/2	2,624.29	1/2	3,339.26	1/2	4,082.67	1/2	4,843.58	1/2	5,611.63
3/4	41.22	3/4	344.01	3/4	794.23	3/4	1,342.60	3/4	1,963.43	3/4	2,638.77	3/4	3,354.48	3/4	4,098.36	3/4	4,859.54	3/4	5,627.64
4	45.10	4	351.93	4	804.62	4	1,354.76	4	1,976.93	4	2,653.26	4	3,369.69	4	4,114.05	4	4,875.50	4	5,643.64
1/4	49.48	1/4	360.32	1/4	815.33	1/4	1,367.16	1/4	1,990.60	1/4	2,667.88	1/4	3,384.99	1/4	4,129.80	1/4	4,891.48	1/4	5,659.64
1/2	53.87	1/2	368.70	1/2	826.05	1/2	1,379.56	1/2	2,004.26	1/2	2,682.50	1/2	3,400.29	1/2	4,145.56	1/2	4,907.45	1/2	5,675.63
3/4	58.26	3/4	377.09	3/4	836.76	3/4	1,391.96	3/4	2,017.93	3/4	2,697.12	3/4	3,415.58	3/4	4,161.32	3/4	4,923.43	3/4	5,691.63
5	62.64	5	385.48	5	847.48	5	1,404.36	5	2,031.60	5	2,711.74	5	3,430.88	5	4,177.07	5	4,939.40	5	5,707.62
1/4	67.48	1/4	393.88	1/4	858.20	1/4	1,416.77	1/4	2,045.27	1/4	2,726.36	1/4	3,446.18	1/4	4,192.82	1/4	4,955.39	1/4	5,723.62
1/2	72.32	1/2	402.29	1/2	868.92	1/2	1,429.18	1/2	2,058.94	1/2	2,740.98	1/2	3,461.49	1/2	4,208.57	1/2	4,971.37	1/2	5,739.62
3/4	77.16	3/4	410.69	3/4	879.64	3/4	1,441.59	3/4	2,072.61	3/4	2,755.60	3/4	3,476.79	3/4	4,224.32	3/4	4,987.35	3/4	5,755.62
6	82.00	6	419.10	6	890.36	6	1,454.00	6	2,086.29	6	2,770.21	6	3,492.10	6	4,240.07	6	5,003.33	6	5,771.62
1/4	87.27	1/4	427.93	1/4	901.39	1/4	1,466.64	1/4	2,100.13	1/4	2,784.96	1/4	3,507.49	1/4	4,255.88	1/4	5,019.33	1/4	5,787.60
1/2	92.54	1/2	436.77	1/2	912.42	1/2	1,479.27	1/2	2,113.98	1/2	2,799.71	1/2	3,522.88	1/2	4,271.68	1/2	5,035.32	1/2	5,803.57
3/4	97.80	3/4	445.61	3/4	923.45	3/4	1,491.91	3/4	2,127.82	3/4	2,814.46	3/4	3,538.27	3/4	4,287.48	3/4	5,051.32	3/4	5,819.55
7	103.07	7	454.45	7	934.48	7	1,504.55	7	2,141.67	7	2,829.21	7	3,553.67	7	4,303.29	7	5,067.31	7	5,835.52
1/4	108.71	1/4	463.30	1/4	945.52	1/4	1,517.20	1/4	2,155.52	1/4	2,843.97	1/4	3,569.06	1/4	4,319.09	1/4	5,083.31	1/4	5,851.51
1/2	114.36	1/2	472.15	1/2	956.57	1/2	1,529.85	1/2	2,169.37	1/2	2,858.73	1/2	3,584.45	1/2	4,334.89	1/2	5,099.31	1/2	5,867.49
3/4	120.00	3/4	481.01	3/4	967.62	3/4	1,542.49	3/4	2,183.22	3/4	2,873.48	3/4	3,599.85	3/4	4,350.70	3/4	5,115.31	3/4	5,883.47
8	125.64	8	489.86	8	978.67	8	1,555.14	8	2,197.07	8	2,888.24	8	3,615.24	8	4,366.50	8	5,131.31	8	5,899.45
1/4	131.65	1/4	499.11	1/4	989.99	1/4	1,568.01	1/4	2,211.10	1/4	2,903.11	1/4	3,630.71	1/4	4,382.35	1/4	5,147.32	1/4	5,915.40
1/2	137.67	1/2	508.37	1/2	1,001.32	1/2	1,580.87	1/2	2,225.12	1/2	2,917.98	1/2	3,646.19	1/2	4,398.20	1/2	5,163.32	1/2	5,931.36
3/4	143.68	3/4	517.62	3/4	1,012.65	3/4	1,593.73	3/4	2,239.14	3/4	2,932.85	3/4	3,661.67	3/4	4,414.05	3/4	5,179.33	3/4	5,947.31
9	149.69	9	526.88	9	1,023.98	9	1,606.60	9	2,253.17	9	2,947.71	9	3,677.14	9	4,429.90	9	5,195.33	9	5,963.26
1/4	156.04	1/4	536.15	1/4	1,035.32	1/4	1,619.46	1/4	2,267.19	1/4	2,962.60	1/4	3,692.63	1/4	4,445.76	1/4	5,211.34	1/4	5,979.22
1/2	162.38	1/2	545.43	1/2	1,046.67	1/2	1,632.33	1/2	2,281.21	1/2	2,977.48	1/2	3,708.11	1/2	4,461.61	1/2	5,227.35	1/2	5,995.18
3/4	168.73	3/4	554.70	3/4	1,058.01	3/4	1,645.20	3/4	2,295.24	3/4	2,992.36	3/4	3,723.59	3/4	4,477.46	3/4	5,243.35	3/4	6,011.14
10	175.07	10	563.98	10	1,069.36	10	1,658.07	10	2,309.26	10	3,007.24	10	3,739.07	10	4,493.31	10	5,259.36	10	6,027.10
1/4	181.73	1/4	573.63	1/4	1,080.98	1/4	1,671.15	1/4	2,323.44	1/4	3,022.23	1/4	3,754.63	1/4	4,509.20	1/4	5,275.37	1/4	6,043.02
1/2	188.39	1/2	583.29	1/2	1,092.60	1/2	1,684.23	1/2	2,337.62	1/2	3,037.21	1/2	3,770.18	1/2	4,525.08	1/2	5,291.39	1/2	6,058.95
3/4	195.05	3/4	592.94	3/4	1,104.21	3/4	1,697.30	3/4	2,351.80	3/4	3,052.20	3/4	3,785.73	3/4	4,540.97	3/4	5,307.41	3/4	6,074.88
11	201.71	11	602.60	11	1,115.83	11	1,710.38	11	2,365.98	11	3,067.19	11	3,801.29	11	4,556.86	11	5,323.43	11	6,090.81
1/4	208.68	1/4	612.26	1/4	1,127.46	1/4	1,723.47	1/4	2,380.16	1/4	3,082.19	1/4	3,816.85	1/4	4,572.75	1/4	5,339.44	1/4	6,106.74
1/2	215.64	1/2	621.93	1/2	1,139.10	1/2	1,736.56	1/2	2,394.35	1/2	3,097.19	1/2	3,832.40	1/2	4,588.64	1/2	5,355.45	1/2	6,122.67
3/4	222.61	3/4	631.60	3/4	1,150.73	3/4	1,749.65	3/4	2,408.53	3/4	3,112.19	3/4	3,847.96	3/4	4,604.54	3/4	5,371.46	3/4	6,138.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
GAUGE POINT: BERGAN MIDSHIP DFG GAUGING SYSTEM.

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





# BARGE "KIRBY 21856"

## STBD INNAGE TABLE

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

FORMERLY "HEDGES"

BERGAN MIDSHIP DFG GAUGING SYSTEM

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	6,154.52	0	6,911.43	0	7,647.76	0	8,352.21	0	9,012.21	0	9,612.57	0	10,133.50	0	10,544.36	0	10,772.95	0	
1/4	6,170.42	1/4	6,926.98	1/4	7,662.76	1/4	8,366.40	1/4	9,025.30	1/4	9,624.20	1/4	10,143.13	1/4	10,551.32	1/4		1/4	
1/2	6,186.31	1/2	6,942.54	1/2	7,677.75	1/2	8,380.60	1/2	9,038.38	1/2	9,635.83	1/2	10,152.75	1/2	10,558.29	1/2		1/2	
3/4	6,202.20	3/4	6,958.09	3/4	7,692.74	3/4	8,394.79	3/4	9,051.46	3/4	9,647.46	3/4	10,162.38	3/4	10,565.25	3/4		3/4	
1	6,218.10	1	6,973.64	1	7,707.74	1	8,408.98	1	9,064.55	1	9,659.10	1	10,172.00	1	10,572.21	1		1	
1/4	6,233.98	1/4	6,989.20	1/4	7,722.73	1/4	8,423.15	1/4	9,077.63	1/4	9,670.71	1/4	10,181.61	1/4	10,578.88	1/4		1/4	
1/2	6,249.87	1/2	7,004.75	1/2	7,737.73	1/2	8,437.33	1/2	9,090.70	1/2	9,682.33	1/2	10,191.23	1/2	10,585.54	1/2		1/2	
3/4	6,265.76	3/4	7,020.30	3/4	7,752.72	3/4	8,451.51	3/4	9,103.78	3/4	9,693.95	3/4	10,200.84	3/4	10,592.20	3/4		3/4	
2	6,281.64	2	7,035.86	2	7,767.71	2	8,465.69	2	9,116.86	2	9,705.57	2	10,210.45	2	10,598.86	2		2	
1/4	6,297.49	1/4	7,051.34	1/4	7,782.59	1/4	8,479.71	1/4	9,129.73	1/4	9,716.92	1/4	10,219.68	1/4	10,605.20	1/4		1/4	
1/2	6,313.35	1/2	7,066.82	1/2	7,797.46	1/2	8,493.74	1/2	9,142.61	1/2	9,728.26	1/2	10,228.90	1/2	10,611.55	1/2		1/2	
3/4	6,329.20	3/4	7,082.30	3/4	7,812.34	3/4	8,507.76	3/4	9,155.48	3/4	9,739.61	3/4	10,238.13	3/4	10,617.89	3/4		3/4	
3	6,345.05	3	7,097.79	3	7,827.21	3	8,521.79	3	9,168.36	3	9,750.95	3	10,247.36	3	10,624.24	3		3	
1/4	6,360.90	1/4	7,113.26	1/4	7,842.09	1/4	8,535.80	1/4	9,181.21	1/4	9,762.29	1/4	10,256.58	1/4	10,630.24	1/4		1/4	
1/2	6,376.75	1/2	7,128.74	1/2	7,856.96	1/2	8,549.82	1/2	9,194.07	1/2	9,773.62	1/2	10,265.80	1/2	10,636.25	1/2		1/2	
3/4	6,392.60	3/4	7,144.21	3/4	7,871.84	3/4	8,563.84	3/4	9,206.93	3/4	9,784.95	3/4	10,275.02	3/4	10,642.26	3/4		3/4	
4	6,408.45	4	7,159.69	4	7,886.71	4	8,577.86	4	9,219.79	4	9,796.29	4	10,284.24	4	10,648.26	4		4	
1/4	6,424.26	1/4	7,175.09	1/4	7,901.46	1/4	8,591.71	1/4	9,232.43	1/4	9,807.33	1/4	10,293.05	1/4	10,653.91	1/4		1/4	
1/2	6,440.06	1/2	7,190.49	1/2	7,916.21	1/2	8,605.57	1/2	9,245.08	1/2	9,818.37	1/2	10,301.86	1/2	10,659.56	1/2		1/2	
3/4	6,455.86	3/4	7,205.89	3/4	7,930.96	3/4	8,619.43	3/4	9,257.73	3/4	9,829.41	3/4	10,310.67	3/4	10,665.21	3/4		3/4	
5	6,471.67	5	7,221.29	5	7,945.71	5	8,633.29	5	9,270.38	5	9,840.45	5	10,319.48	5	10,670.86	5		5	
1/4	6,487.46	1/4	7,236.67	1/4	7,960.46	1/4	8,647.13	1/4	9,283.02	1/4	9,851.48	1/4	10,328.32	1/4	10,676.13	1/4		1/4	
1/2	6,503.26	1/2	7,252.06	1/2	7,975.21	1/2	8,660.98	1/2	9,295.66	1/2	9,862.51	1/2	10,337.16	1/2	10,681.39	1/2		1/2	
3/4	6,519.06	3/4	7,267.45	3/4	7,989.96	3/4	8,674.82	3/4	9,308.29	3/4	9,873.54	3/4	10,345.99	3/4	10,686.66	3/4		3/4	
6	6,534.86	6	7,282.83	6	8,004.71	6	8,688.67	6	9,320.93	6	9,884.57	6	10,354.83	6	10,691.93	6		6	
1/4	6,550.61	1/4	7,298.14	1/4	8,019.34	1/4	8,702.34	1/4	9,333.34	1/4	9,895.30	1/4	10,363.23	1/4	10,696.77	1/4		1/4	
1/2	6,566.37	1/2	7,313.44	1/2	8,033.96	1/2	8,716.01	1/2	9,345.75	1/2	9,906.02	1/2	10,371.63	1/2	10,701.61	1/2		1/2	
3/4	6,582.13	3/4	7,328.74	3/4	8,048.59	3/4	8,729.68	3/4	9,358.16	3/4	9,916.75	3/4	10,380.03	3/4	10,706.45	3/4		3/4	
7	6,597.88	7	7,344.05	7	8,063.21	7	8,743.36	7	9,370.57	7	9,927.48	7	10,388.43	7	10,711.29	7		7	
1/4	6,613.63	1/4	7,359.35	1/4	8,077.83	1/4	8,757.02	1/4	9,382.97	1/4	9,938.18	1/4	10,396.82	1/4	10,715.67	1/4		1/4	
1/2	6,629.38	1/2	7,374.65	1/2	8,092.45	1/2	8,770.69	1/2	9,395.37	1/2	9,948.89	1/2	10,405.21	1/2	10,720.06	1/2		1/2	
3/4	6,645.13	3/4	7,389.96	3/4	8,107.07	3/4	8,784.36	3/4	9,407.77	3/4	9,959.60	3/4	10,413.61	3/4	10,724.45	3/4		3/4	
8	6,660.88	8	7,405.26	8	8,121.69	8	8,798.02	8	9,420.17	8	9,970.31	8	10,422.00	8	10,728.83	8		8	
1/4	6,676.58	1/4	7,420.47	1/4	8,136.17	1/4	8,811.51	1/4	9,432.33	1/4	9,980.70	1/4	10,429.92	1/4	10,732.70	1/4		1/4	
1/2	6,692.27	1/2	7,435.68	1/2	8,150.65	1/2	8,825.00	1/2	9,444.49	1/2	9,991.10	1/2	10,437.83	1/2	10,736.57	1/2		1/2	
3/4	6,707.97	3/4	7,450.89	3/4	8,165.14	3/4	8,838.49	3/4	9,456.65	3/4	10,001.49	3/4	10,445.75	3/4	10,740.44	3/4		3/4	
9	6,723.67	9	7,466.10	9	8,179.62	9	8,851.98	9	9,468.81	9	10,011.88	9	10,453.67	9	10,744.31	9		9	
1/4	6,739.35	1/4	7,481.30	1/4	8,194.10	1/4	8,865.46	1/4	9,480.96	1/4	10,022.26	1/4	10,461.57	1/4	10,747.57	1/4		1/4	
1/2	6,755.04	1/2	7,496.51	1/2	8,208.58	1/2	8,878.94	1/2	9,493.12	1/2	10,032.64	1/2	10,469.46	1/2	10,750.83	1/2		1/2	
3/4	6,770.72	3/4	7,511.72	3/4	8,223.07	3/4	8,892.42	3/4	9,505.27	3/4	10,043.02	3/4	10,477.36	3/4	10,754.10	3/4		3/4	
10	6,786.40	10	7,526.93	10	8,237.55	10	8,905.90	10	9,517.43	10	10,053.40	10	10,485.26	10	10,757.36	10		10	
1/4	6,802.04	1/4	7,542.04	1/4	8,251.89	1/4	8,919.20	1/4	9,529.33	1/4	10,063.45	1/4	10,492.65	1/4	10,759.88	1/4		1/4	
1/2	6,817.67	1/2	7,557.14	1/2	8,266.23	1/2	8,932.49	1/2	9,541.23	1/2	10,073.49	1/2	10,500.05	1/2	10,762.39	1/2		1/2	
3/4	6,833.30	3/4	7,572.25	3/4	8,280.57	3/4	8,945.78	3/4	9,553.13	3/4	10,083.53	3/4	10,507.44	3/4	10,764.91	3/4		3/4	
11	6,848.93	11	7,587.36	11	8,294.90	11	8,959.07	11	9,565.02	11	10,093.57	11	10,514.83	11	10,767.43	11		11	
1/4	6,864.55	1/4	7,602.46	1/4	8,309.23	1/4	8,972.36	1/4	9,576.91	1/4	10,103.55	1/4	10,522.21	1/4	10,768.81	1/4		1/4	
1/2	6,880.18	1/2	7,617.56	1/2	8,323.56	1/2	8,985.64	1/2	9,588.80	1/2	10,113.54	1/2	10,529.60	1/2	10,770.19	1/2		1/2	
3/4	6,895.80	3/4	7,632.66	3/4	8,337.89	3/4	8,998.93	3/4	9,600.68	3/4	10,123.52	3/4	10,536.98	3/4	10,771.57	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT  
& ANALYSIS, INC.

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