



# BARGE "KARANKAWA"

## PORT HORIZONTAL

### INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CROSBY 111

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	0.12	0	187.94	0	524.75	0	949.43	0	1,436.41	0	1,969.29	0	2,535.46	0	3,124.33	0	3,726.41	0	4,332.77
1/4	1.27	1/4	193.85	1/4	532.87	1/4	959.05	1/4	1,447.12	1/4	1,980.80	1/4	2,547.54	1/4	3,136.78	1/4	3,739.03	1/4	4,345.39
1/2	2.41	1/2	199.75	1/2	541.00	1/2	968.66	1/2	1,457.83	1/2	1,992.32	1/2	2,559.63	1/2	3,149.23	1/2	3,751.65	1/2	4,358.00
3/4	3.55	3/4	205.66	3/4	549.12	3/4	978.28	3/4	1,468.55	3/4	2,003.84	3/4	2,571.71	3/4	3,161.68	3/4	3,764.28	3/4	4,370.61
1	4.69	1	211.56	1	557.24	1	987.90	1	1,479.26	1	2,015.35	1	2,583.80	1	3,174.12	1	3,776.90	1	4,383.22
1/4	6.78	1/4	217.69	1/4	565.51	1/4	997.62	1/4	1,490.05	1/4	2,026.92	1/4	2,595.92	1/4	3,186.59	1/4	3,789.53	1/4	4,395.83
1/2	8.87	1/2	223.82	1/2	573.78	1/2	1,007.34	1/2	1,500.83	1/2	2,038.50	1/2	2,608.05	1/2	3,199.06	1/2	3,802.15	1/2	4,408.43
3/4	10.96	3/4	229.95	3/4	582.04	3/4	1,017.06	3/4	1,511.62	3/4	2,050.07	3/4	2,620.17	3/4	3,211.53	3/4	3,814.78	3/4	4,421.03
2	13.05	2	236.07	2	590.31	2	1,026.78	2	1,522.41	2	2,061.64	2	2,632.29	2	3,224.00	2	3,827.41	2	4,433.64
1/4	15.76	1/4	242.44	1/4	598.72	1/4	1,036.60	1/4	1,533.27	1/4	2,073.27	1/4	2,644.45	1/4	3,236.50	1/4	3,840.04	1/4	4,446.23
1/2	18.46	1/2	248.80	1/2	607.13	1/2	1,046.42	1/2	1,544.14	1/2	2,084.89	1/2	2,656.61	1/2	3,248.99	1/2	3,852.68	1/2	4,458.82
3/4	21.16	3/4	255.17	3/4	615.53	3/4	1,056.25	3/4	1,555.00	3/4	2,096.52	3/4	2,668.77	3/4	3,261.48	3/4	3,865.31	3/4	4,471.42
3	23.87	3	261.53	3	623.94	3	1,066.07	3	1,565.87	3	2,108.15	3	2,680.93	3	3,273.97	3	3,877.94	3	4,484.01
1/4	27.07	1/4	268.12	1/4	632.49	1/4	1,075.99	1/4	1,576.80	1/4	2,119.83	1/4	2,693.13	1/4	3,286.48	1/4	3,890.58	1/4	4,496.59
1/2	30.26	1/2	274.72	1/2	641.03	1/2	1,085.91	1/2	1,587.74	1/2	2,131.51	1/2	2,705.32	1/2	3,298.98	1/2	3,903.21	1/2	4,509.17
3/4	33.46	3/4	281.31	3/4	649.57	3/4	1,095.83	3/4	1,598.68	3/4	2,143.19	3/4	2,717.52	3/4	3,311.49	3/4	3,915.85	3/4	4,521.75
4	36.66	4	287.90	4	658.12	4	1,105.76	4	1,609.61	4	2,154.86	4	2,729.71	4	3,324.00	4	3,928.49	4	4,534.34
1/4	40.28	1/4	294.69	1/4	666.79	1/4	1,115.77	1/4	1,620.62	1/4	2,166.60	1/4	2,741.94	1/4	3,336.53	1/4	3,941.13	1/4	4,546.91
1/2	43.91	1/2	301.48	1/2	675.47	1/2	1,125.79	1/2	1,631.63	1/2	2,178.33	1/2	2,754.17	1/2	3,349.06	1/2	3,953.76	1/2	4,559.47
3/4	47.53	3/4	308.27	3/4	684.14	3/4	1,135.81	3/4	1,642.64	3/4	2,190.06	3/4	2,766.40	3/4	3,361.58	3/4	3,966.40	3/4	4,572.04
5	51.15	5	315.06	5	692.82	5	1,145.83	5	1,653.65	5	2,201.79	5	2,778.63	5	3,374.11	5	3,979.04	5	4,584.61
1/4	55.15	1/4	322.03	1/4	701.63	1/4	1,155.94	1/4	1,664.73	1/4	2,213.57	1/4	2,790.89	1/4	3,386.65	1/4	3,991.68	1/4	4,597.17
1/2	59.15	1/2	329.01	1/2	710.43	1/2	1,166.05	1/2	1,675.80	1/2	2,225.35	1/2	2,803.15	1/2	3,399.20	1/2	4,004.32	1/2	4,609.72
3/4	63.15	3/4	335.99	3/4	719.23	3/4	1,176.17	3/4	1,686.88	3/4	2,237.13	3/4	2,815.41	3/4	3,411.74	3/4	4,016.96	3/4	4,622.28
6	67.15	6	342.96	6	728.04	6	1,186.28	6	1,697.96	6	2,248.91	6	2,827.67	6	3,424.28	6	4,029.60	6	4,634.83
1/4	71.50	1/4	350.12	1/4	736.97	1/4	1,196.49	1/4	1,709.11	1/4	2,260.73	1/4	2,839.96	1/4	3,436.84	1/4	4,042.24	1/4	4,647.37
1/2	75.84	1/2	357.27	1/2	745.90	1/2	1,206.69	1/2	1,720.25	1/2	2,272.56	1/2	2,852.25	1/2	3,449.40	1/2	4,054.88	1/2	4,659.91
3/4	80.18	3/4	364.43	3/4	754.83	3/4	1,216.90	3/4	1,731.40	3/4	2,284.39	3/4	2,864.54	3/4	3,461.96	3/4	4,067.52	3/4	4,672.45
7	84.52	7	371.59	7	763.76	7	1,227.10	7	1,742.54	7	2,296.22	7	2,876.83	7	3,474.52	7	4,080.16	7	4,684.99
1/4	89.18	1/4	378.92	1/4	772.81	1/4	1,237.40	1/4	1,753.76	1/4	2,308.09	1/4	2,889.16	1/4	3,487.09	1/4	4,092.80	1/4	4,697.51
1/2	93.84	1/2	386.25	1/2	781.86	1/2	1,247.69	1/2	1,764.97	1/2	2,319.97	1/2	2,901.48	1/2	3,499.66	1/2	4,105.44	1/2	4,710.03
3/4	98.49	3/4	393.58	3/4	790.92	3/4	1,257.98	3/4	1,776.18	3/4	2,331.84	3/4	2,913.80	3/4	3,512.23	3/4	4,118.08	3/4	4,722.56
8	103.15	8	400.91	8	799.97	8	1,268.28	8	1,787.39	8	2,343.72	8	2,926.12	8	3,524.81	8	4,130.72	8	4,735.08
1/4	108.07	1/4	408.41	1/4	809.14	1/4	1,278.66	1/4	1,798.67	1/4	2,355.64	1/4	2,938.47	1/4	3,537.39	1/4	4,143.35	1/4	4,747.58
1/2	113.00	1/2	415.91	1/2	818.31	1/2	1,289.04	1/2	1,809.95	1/2	2,367.56	1/2	2,950.82	1/2	3,549.98	1/2	4,155.99	1/2	4,760.09
3/4	117.92	3/4	423.41	3/4	827.48	3/4	1,299.43	3/4	1,821.22	3/4	2,379.48	3/4	2,963.17	3/4	3,562.56	3/4	4,168.62	3/4	4,772.59
9	122.84	9	430.91	9	836.65	9	1,309.81	9	1,832.50	9	2,391.40	9	2,975.52	9	3,575.15	9	4,181.26	9	4,785.10
1/4	128.02	1/4	438.58	1/4	845.94	1/4	1,320.28	1/4	1,843.84	1/4	2,403.36	1/4	2,987.89	1/4	3,587.74	1/4	4,193.89	1/4	4,797.58
1/2	133.19	1/2	446.24	1/2	855.22	1/2	1,330.74	1/2	1,855.18	1/2	2,415.32	1/2	3,000.27	1/2	3,600.34	1/2	4,206.52	1/2	4,810.07
3/4	138.36	3/4	453.90	3/4	864.51	3/4	1,341.21	3/4	1,866.51	3/4	2,427.29	3/4	3,012.64	3/4	3,612.93	3/4	4,219.15	3/4	4,822.55
10	143.53	10	461.57	10	873.80	10	1,351.68	10	1,877.85	10	2,439.25	10	3,025.02	10	3,625.53	10	4,231.79	10	4,835.04
1/4	148.96	1/4	469.39	1/4	883.20	1/4	1,362.23	1/4	1,889.25	1/4	2,451.26	1/4	3,037.42	1/4	3,638.13	1/4	4,244.41	1/4	4,847.50
1/2	154.39	1/2	477.21	1/2	892.60	1/2	1,372.78	1/2	1,900.65	1/2	2,463.26	1/2	3,049.82	1/2	3,650.74	1/2	4,257.04	1/2	4,859.97
3/4	159.82	3/4	485.03	3/4	902.00	3/4	1,383.33	3/4	1,912.05	3/4	2,475.27	3/4	3,062.23	3/4	3,663.35	3/4	4,269.67	3/4	4,872.43
11	165.25	11	492.85	11	911.39	11	1,393.88	11	1,923.45	11	2,487.27	11	3,074.63	11	3,675.95	11	4,282.29	11	4,884.90
1/4	170.92	1/4	500.83	1/4	920.90	1/4	1,404.52	1/4	1,934.91	1/4	2,499.32	1/4	3,087.05	1/4	3,688.57	1/4	4,294.91	1/4	4,897.34
1/2	176.59	1/2	508.80	1/2	930.41	1/2	1,415.15	1/2	1,946.37	1/2	2,511.37	1/2	3,099.48	1/2	3,701.18	1/2	4,307.53	1/2	4,909.78
3/4	182.27	3/4	516.78	3/4	939.92	3/4	1,425.78	3/4	1,957.83	3/4	2,523.41	3/4	3,111.90	3/4	3,713.80	3/4	4,320.15	3/4	4,922.23

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KARANKAWA"

## PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CROSBY 111

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	4,934.67	0	5,523.17	0	6,088.76	0	6,620.82	0	7,106.68	0	7,529.85	0	7,864.95	0		0		0	
1/4	4,947.09	1/4	5,535.20	1/4	6,100.20	1/4	6,631.43	1/4	7,116.17	1/4	7,537.78	1/4	7,870.62	1/4		1/4		1/4	
1/2	4,959.51	1/2	5,547.24	1/2	6,111.65	1/2	6,642.04	1/2	7,125.65	1/2	7,545.72	1/2	7,876.28	1/2		1/2		1/2	
3/4	4,971.93	3/4	5,559.28	3/4	6,123.09	3/4	6,652.65	3/4	7,135.13	3/4	7,553.66	3/4	7,881.95	3/4		3/4		3/4	
1	4,984.35	1	5,571.31	1	6,134.54	1	6,663.26	1	7,144.61	1	7,561.59	1	7,887.62	1		1		1	
1/4	4,996.75	1/4	5,583.31	1/4	6,145.92	1/4	6,673.79	1/4	7,153.98	1/4	7,569.38	1/4	7,893.03	1/4		1/4		1/4	
1/2	5,009.14	1/2	5,595.30	1/2	6,157.31	1/2	6,684.32	1/2	7,163.35	1/2	7,577.16	1/2	7,898.45	1/2		1/2		1/2	
3/4	5,021.54	3/4	5,607.30	3/4	6,168.69	3/4	6,694.86	3/4	7,172.73	3/4	7,584.94	3/4	7,903.87	3/4		3/4		3/4	
2	5,033.93	2	5,619.29	2	6,180.07	2	6,705.39	2	7,182.10	2	7,592.72	2	7,909.29	2		2		2	
1/4	5,046.30	1/4	5,631.25	1/4	6,191.40	1/4	6,715.83	1/4	7,191.36	1/4	7,600.35	1/4	7,914.44	1/4		1/4		1/4	
1/2	5,058.67	1/2	5,643.20	1/2	6,202.72	1/2	6,726.28	1/2	7,200.61	1/2	7,607.97	1/2	7,919.60	1/2		1/2		1/2	
3/4	5,071.04	3/4	5,655.15	3/4	6,214.04	3/4	6,736.73	3/4	7,209.87	3/4	7,615.59	3/4	7,924.76	3/4		3/4		3/4	
3	5,083.41	3	5,667.10	3	6,225.37	3	6,747.17	3	7,219.13	3	7,623.21	3	7,929.91	3		3		3	
1/4	5,095.75	1/4	5,679.01	1/4	6,236.63	1/4	6,757.53	1/4	7,228.27	1/4	7,630.67	1/4	7,934.79	1/4		1/4		1/4	
1/2	5,108.09	1/2	5,690.92	1/2	6,247.89	1/2	6,767.89	1/2	7,237.41	1/2	7,638.13	1/2	7,939.67	1/2		1/2		1/2	
3/4	5,120.44	3/4	5,702.83	3/4	6,259.15	3/4	6,778.25	3/4	7,246.55	3/4	7,645.59	3/4	7,944.55	3/4		3/4		3/4	
4	5,132.78	4	5,714.74	4	6,270.41	4	6,788.61	4	7,255.70	4	7,653.05	4	7,949.43	4		4		4	
1/4	5,145.09	1/4	5,726.60	1/4	6,281.61	1/4	6,798.89	1/4	7,264.72	1/4	7,660.34	1/4	7,954.01	1/4		1/4		1/4	
1/2	5,157.41	1/2	5,738.47	1/2	6,292.80	1/2	6,809.16	1/2	7,273.74	1/2	7,667.62	1/2	7,958.59	1/2		1/2		1/2	
3/4	5,169.72	3/4	5,750.33	3/4	6,304.00	3/4	6,819.43	3/4	7,282.76	3/4	7,674.91	3/4	7,963.17	3/4		3/4		3/4	
5	5,182.03	5	5,762.19	5	6,315.19	5	6,829.70	5	7,291.78	5	7,682.20	5	7,967.75	5		5		5	
1/4	5,194.32	1/4	5,774.01	1/4	6,326.32	1/4	6,839.89	1/4	7,300.68	1/4	7,689.31	1/4	7,972.01	1/4		1/4		1/4	
1/2	5,206.60	1/2	5,785.82	1/2	6,337.45	1/2	6,850.07	1/2	7,309.58	1/2	7,696.43	1/2	7,976.27	1/2		1/2		1/2	
3/4	5,218.89	3/4	5,797.64	3/4	6,348.58	3/4	6,860.25	3/4	7,318.48	3/4	7,703.54	3/4	7,980.53	3/4		3/4		3/4	
6	5,231.17	6	5,809.46	6	6,359.71	6	6,870.43	6	7,327.38	6	7,710.65	6	7,984.79	6		6		6	
1/4	5,243.42	1/4	5,821.23	1/4	6,370.77	1/4	6,880.52	1/4	7,336.15	1/4	7,717.58	1/4	7,988.70	1/4		1/4		1/4	
1/2	5,255.68	1/2	5,832.99	1/2	6,381.83	1/2	6,890.61	1/2	7,344.92	1/2	7,724.51	1/2	7,992.61	1/2		1/2		1/2	
3/4	5,267.93	3/4	5,844.76	3/4	6,392.89	3/4	6,900.70	3/4	7,353.70	3/4	7,731.44	3/4	7,996.52	3/4		3/4		3/4	
7	5,280.18	7	5,856.53	7	6,403.95	7	6,910.79	7	7,362.47	7	7,738.37	7	8,000.43	7		7		7	
1/4	5,292.40	1/4	5,868.25	1/4	6,414.94	1/4	6,920.79	1/4	7,371.11	1/4	7,745.11	1/4	8,003.95	1/4		1/4		1/4	
1/2	5,304.62	1/2	5,879.96	1/2	6,425.93	1/2	6,930.78	1/2	7,379.76	1/2	7,751.85	1/2	8,007.47	1/2		1/2		1/2	
3/4	5,316.84	3/4	5,891.68	3/4	6,436.92	3/4	6,940.77	3/4	7,388.40	3/4	7,758.59	3/4	8,010.99	3/4		3/4		3/4	
8	5,329.06	8	5,903.40	8	6,447.92	8	6,950.77	8	7,397.04	8	7,765.33	8	8,014.51	8		8		8	
1/4	5,341.25	1/4	5,915.07	1/4	6,458.83	1/4	6,960.67	1/4	7,405.55	1/4	7,771.87	1/4	8,017.60	1/4		1/4		1/4	
1/2	5,353.43	1/2	5,926.73	1/2	6,469.75	1/2	6,970.56	1/2	7,414.06	1/2	7,778.42	1/2	8,020.68	1/2		1/2		1/2	
3/4	5,365.62	3/4	5,938.40	3/4	6,480.67	3/4	6,980.46	3/4	7,422.57	3/4	7,784.96	3/4	8,023.76	3/4		3/4		3/4	
9	5,377.81	9	5,950.07	9	6,491.59	9	6,990.36	9	7,431.08	9	7,791.50	9	8,026.84	9		9		9	
1/4	5,389.96	1/4	5,961.68	1/4	6,502.44	1/4	7,000.15	1/4	7,439.46	1/4	7,797.84	1/4	8,029.41	1/4		1/4		1/4	
1/2	5,402.11	1/2	5,973.29	1/2	6,513.28	1/2	7,009.95	1/2	7,447.83	1/2	7,804.18	1/2	8,031.97	1/2		1/2		1/2	
3/4	5,414.26	3/4	5,984.90	3/4	6,524.13	3/4	7,019.75	3/4	7,456.20	3/4	7,810.52	3/4	8,034.54	3/4		3/4		3/4	
10	5,426.41	10	5,996.52	10	6,534.97	10	7,029.55	10	7,464.57	10	7,816.86	10	8,037.10	10		10		10	
1/4	5,438.52	1/4	6,008.08	1/4	6,545.74	1/4	7,039.24	1/4	7,472.81	1/4	7,822.98	1/4	8,039.00	1/4		1/4		1/4	
1/2	5,450.64	1/2	6,019.63	1/2	6,556.51	1/2	7,048.94	1/2	7,481.04	1/2	7,829.10	1/2	8,040.91	1/2		1/2		1/2	
3/4	5,462.75	3/4	6,031.19	3/4	6,567.28	3/4	7,058.63	3/4	7,489.27	3/4	7,835.23	3/4	8,042.81	3/4		3/4		3/4	
11	5,474.87	11	6,042.75	11	6,578.05	11	7,068.33	11	7,497.50	11	7,841.35	11	8,044.71	11		11		11	
1/4	5,486.94	1/4	6,054.25	1/4	6,588.74	1/4	7,077.91	1/4	7,505.59	1/4	7,847.25	1/4	8,045.70	1/4		1/4		1/4	
1/2	5,499.02	1/2	6,065.76	1/2	6,599.43	1/2	7,087.50	1/2	7,513.67	1/2	7,853.15	1/2	8,046.68	1/2		1/2		1/2	
3/4	5,511.09	3/4	6,077.26	3/4	6,610.12	3/4	7,097.09	3/4	7,521.76	3/4	7,859.05	3/4	8,047.67	3/4		3/4		3/4	

STRAPPED: 12/08/2011 CL - SW  
CALCULATED: 12/08/2011 CL  
NAME CHANGE: 06/15/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.  
PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KARANKAWA"

## STBD

### HORIZONTAL

### INNAGE TABLE

### BERGAN GAUGE

#### FORMERLY "CROSBY 111"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0.12	0	188.03	0	525.03	0	949.98	0	1,437.30	0	1,970.56	0	2,537.16	0	3,126.49	0	3,729.05	0	4,335.89
1/4	1.27	1/4	193.94	1/4	533.16	1/4	959.60	1/4	1,448.02	1/4	1,982.09	1/4	2,549.26	1/4	3,138.95	1/4	3,741.68	1/4	4,348.51
1/2	2.41	1/2	199.85	1/2	541.28	1/2	969.23	1/2	1,458.74	1/2	1,993.61	1/2	2,561.35	1/2	3,151.41	1/2	3,754.31	1/2	4,361.13
3/4	3.55	3/4	205.75	3/4	549.41	3/4	978.85	3/4	1,469.46	3/4	2,005.14	3/4	2,573.45	3/4	3,163.87	3/4	3,766.94	3/4	4,373.76
1	4.70	1	211.66	1	557.54	1	988.47	1	1,480.18	1	2,016.66	1	2,585.54	1	3,179.33	1	3,779.57	1	4,386.38
1/4	6.79	1/4	217.79	1/4	565.81	1/4	998.20	1/4	1,490.97	1/4	2,028.24	1/4	2,597.68	1/4	3,188.81	1/4	3,792.21	1/4	4,398.99
1/2	8.88	1/2	223.92	1/2	574.09	1/2	1,007.93	1/2	1,501.77	1/2	2,039.83	1/2	2,609.81	1/2	3,201.29	1/2	3,804.85	1/2	4,411.60
3/4	10.97	3/4	230.05	3/4	582.36	3/4	1,017.65	3/4	1,512.56	3/4	2,051.41	3/4	2,621.94	3/4	3,213.77	3/4	3,817.49	3/4	4,424.22
2	13.06	2	236.18	2	590.63	2	1,027.38	2	1,523.36	2	2,062.99	2	2,634.07	2	3,226.25	2	3,830.13	2	4,436.83
1/4	15.76	1/4	242.55	1/4	599.04	1/4	1,037.21	1/4	1,534.23	1/4	2,074.62	1/4	2,646.24	1/4	3,238.75	1/4	3,842.77	1/4	4,449.43
1/2	18.47	1/2	248.92	1/2	607.46	1/2	1,047.04	1/2	1,545.10	1/2	2,086.26	1/2	2,658.41	1/2	3,251.25	1/2	3,855.41	1/2	4,462.04
3/4	21.17	3/4	255.29	3/4	615.87	3/4	1,056.87	3/4	1,555.98	3/4	2,097.89	3/4	2,670.58	3/4	3,263.75	3/4	3,868.05	3/4	4,474.64
3	23.88	3	261.66	3	624.28	3	1,066.70	3	1,566.85	3	2,109.53	3	2,682.75	3	3,276.25	3	3,880.70	3	4,487.24
1/4	27.08	1/4	268.25	1/4	632.83	1/4	1,076.63	1/4	1,577.79	1/4	2,121.22	1/4	2,694.96	1/4	3,288.77	1/4	3,893.34	1/4	4,499.84
1/2	30.27	1/2	274.85	1/2	641.38	1/2	1,086.56	1/2	1,588.74	1/2	2,132.91	1/2	2,707.16	1/2	3,301.28	1/2	3,905.99	1/2	4,512.43
3/4	33.47	3/4	281.45	3/4	649.93	3/4	1,096.48	3/4	1,599.68	3/4	2,144.59	3/4	2,719.36	3/4	3,313.80	3/4	3,918.64	3/4	4,525.02
4	36.67	4	288.04	4	658.48	4	1,106.41	4	1,610.63	4	2,156.28	4	2,731.57	4	3,326.32	4	3,931.28	4	4,537.61
1/4	40.30	1/4	294.84	1/4	667.16	1/4	1,116.44	1/4	1,621.64	1/4	2,168.02	1/4	2,743.81	1/4	3,338.86	1/4	3,943.93	1/4	4,550.19
1/2	43.92	1/2	301.63	1/2	675.84	1/2	1,126.46	1/2	1,632.66	1/2	2,179.76	1/2	2,756.04	1/2	3,351.40	1/2	3,956.58	1/2	4,562.77
3/4	47.55	3/4	308.42	3/4	684.52	3/4	1,136.49	3/4	1,643.68	3/4	2,191.50	3/4	2,768.28	3/4	3,363.93	3/4	3,969.23	3/4	4,575.35
5	51.17	5	315.21	5	693.20	5	1,146.51	5	1,654.69	5	2,203.24	5	2,780.52	5	3,376.47	5	3,981.88	5	4,587.92
1/4	55.17	1/4	322.19	1/4	702.01	1/4	1,156.63	1/4	1,665.78	1/4	2,215.03	1/4	2,792.79	1/4	3,389.02	1/4	3,994.53	1/4	4,600.49
1/2	59.18	1/2	329.17	1/2	710.82	1/2	1,166.75	1/2	1,676.87	1/2	2,226.82	1/2	2,805.06	1/2	3,401.58	1/2	4,007.18	1/2	4,613.05
3/4	63.18	3/4	336.15	3/4	719.63	3/4	1,176.87	3/4	1,687.95	3/4	2,238.61	3/4	2,817.33	3/4	3,414.13	3/4	4,019.83	3/4	4,625.62
6	67.18	6	343.13	6	728.45	6	1,186.99	6	1,699.04	6	2,250.39	6	2,829.60	6	3,426.68	6	4,032.48	6	4,638.18
1/4	71.52	1/4	350.29	1/4	737.38	1/4	1,197.21	1/4	1,710.19	1/4	2,262.23	1/4	2,841.90	1/4	3,439.25	1/4	4,045.13	1/4	4,650.73
1/2	75.87	1/2	357.45	1/2	746.32	1/2	1,207.42	1/2	1,721.35	1/2	2,274.07	1/2	2,854.20	1/2	3,451.82	1/2	4,057.78	1/2	4,663.28
3/4	80.21	3/4	364.62	3/4	755.25	3/4	1,217.63	3/4	1,732.50	3/4	2,285.91	3/4	2,866.50	3/4	3,464.39	3/4	4,070.43	3/4	4,675.83
7	84.56	7	371.78	7	764.19	7	1,227.84	7	1,743.65	7	2,297.74	7	2,878.80	7	3,476.96	7	4,083.08	7	4,688.38
1/4	89.22	1/4	379.11	1/4	773.25	1/4	1,238.14	1/4	1,754.87	1/4	2,309.63	1/4	2,891.14	1/4	3,489.54	1/4	4,095.73	1/4	4,700.91
1/2	93.88	1/2	386.45	1/2	782.30	1/2	1,248.45	1/2	1,766.10	1/2	2,321.51	1/2	2,903.47	1/2	3,502.12	1/2	4,108.37	1/2	4,713.44
3/4	98.54	3/4	393.78	3/4	791.36	3/4	1,258.75	3/4	1,777.32	3/4	2,333.39	3/4	2,915.80	3/4	3,514.70	3/4	4,121.02	3/4	4,725.98
8	103.19	8	401.12	8	800.42	8	1,269.05	8	1,788.54	8	2,345.28	8	2,928.13	8	3,527.28	8	4,133.67	8	4,738.51
1/4	108.12	1/4	408.62	1/4	809.60	1/4	1,279.44	1/4	1,799.82	1/4	2,357.21	1/4	2,940.49	1/4	3,539.88	1/4	4,146.32	1/4	4,751.02
1/2	113.05	1/2	416.13	1/2	818.77	1/2	1,289.83	1/2	1,811.10	1/2	2,369.14	1/2	2,952.84	1/2	3,552.47	1/2	4,158.96	1/2	4,763.54
3/4	117.97	3/4	423.63	3/4	827.95	3/4	1,300.22	3/4	1,822.39	3/4	2,381.06	3/4	2,965.20	3/4	3,565.07	3/4	4,171.61	3/4	4,776.05
9	122.90	9	431.14	9	837.13	9	1,310.61	9	1,833.67	9	2,392.99	9	2,977.56	9	3,577.66	9	4,184.25	9	4,788.57
1/4	128.07	1/4	438.80	1/4	846.42	1/4	1,321.08	1/4	1,845.02	1/4	2,404.97	1/4	2,989.95	1/4	3,590.27	1/4	4,196.90	1/4	4,801.06
1/2	133.25	1/2	446.47	1/2	855.71	1/2	1,331.56	1/2	1,856.37	1/2	2,416.94	1/2	3,002.33	1/2	3,602.87	1/2	4,209.54	1/2	4,813.56
3/4	138.42	3/4	454.14	3/4	865.01	3/4	1,342.03	3/4	1,867.72	3/4	2,428.91	3/4	3,014.72	3/4	3,615.48	3/4	4,222.18	3/4	4,826.05
10	143.59	10	461.81	10	874.30	10	1,352.51	10	1,879.06	10	2,440.88	10	3,027.11	10	3,628.09	10	4,234.82	10	4,838.55
1/4	149.03	1/4	469.63	1/4	883.70	1/4	1,363.07	1/4	1,890.47	1/4	2,452.90	1/4	3,039.52	1/4	3,640.70	1/4	4,247.46	1/4	4,851.02
1/2	154.46	1/2	477.46	1/2	893.11	1/2	1,373.62	1/2	1,901.88	1/2	2,464.91	1/2	3,051.93	1/2	3,653.32	1/2	4,260.09	1/2	4,863.50
3/4	159.89	3/4	485.29	3/4	902.51	3/4	1,384.18	3/4	1,913.29	3/4	2,476.93	3/4	3,064.34	3/4	3,665.93	3/4	4,272.73	3/4	4,875.97
11	165.32	11	493.11	11	911.92	11	1,394.74	11	1,924.69	11	2,488.94	11	3,076.75	11	3,678.55	11	4,285.37	11	4,888.45
1/4	171.00	1/4	501.09	1/4	921.44	1/4	1,405.38	1/4	1,936.16	1/4	2,501.00	1/4	3,089.19	1/4	3,691.17	1/4	4,298.00	1/4	4,900.90
1/2	176.68	1/2	509.07	1/2	930.95	1/2	1,416.02	1/2	1,947.63	1/2	2,513.05	1/2	3,101.62	1/2	3,703.80	1/2	4,310.63	1/2	4,913.35
3/4	182.35	3/4	517.05	3/4	940.47	3/4	1,426.66	3/4	1,959.10	3/4	2,525.11	3/4	3,114.06	3/4	3,716.42	3/4	4,323.26	3/4	4,925.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KARANKAWA"

**STBD**  
**HORIZONTAL**  
**INNAGE TABLE**  
**BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CROSBY 111"

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	4,938.26	0	5,527.21	0	6,093.23	0	6,625.68	0	7,111.88	0	7,535.31	0	7,870.61	0		0		0	
1/4	4,950.69	1/4	5,539.26	1/4	6,104.68	1/4	6,636.30	1/4	7,121.37	1/4	7,543.26	1/4	7,876.28	1/4	1/4		1/4		1/4
1/2	4,963.12	1/2	5,551.30	1/2	6,116.14	1/2	6,646.92	1/2	7,130.86	1/2	7,551.20	1/2	7,881.95	1/2	1/2		1/2		1/2
3/4	4,975.55	3/4	5,563.35	3/4	6,127.59	3/4	6,657.54	3/4	7,140.35	3/4	7,559.14	3/4	7,887.62	3/4	3/4		3/4		3/4
1	4,987.98	1	5,575.39	1	6,139.04	1	6,668.15	1	7,149.83	1	7,567.08	1	7,893.29	1	1		1		1
1/4	5,000.38	1/4	5,587.40	1/4	6,150.44	1/4	6,678.69	1/4	7,159.21	1/4	7,574.87	1/4	7,898.71	1/4	1/4		1/4		1/4
1/2	5,012.79	1/2	5,599.40	1/2	6,161.83	1/2	6,689.23	1/2	7,168.59	1/2	7,582.65	1/2	7,904.13	1/2	1/2		1/2		1/2
3/4	5,025.19	3/4	5,611.41	3/4	6,173.22	3/4	6,699.77	3/4	7,177.97	3/4	7,590.44	3/4	7,909.55	3/4	3/4		3/4		3/4
2	5,037.60	2	5,623.41	2	6,184.61	2	6,710.31	2	7,187.34	2	7,598.23	2	7,914.97	2	2		2		2
1/4	5,049.98	1/4	5,635.37	1/4	6,195.95	1/4	6,720.76	1/4	7,196.61	1/4	7,605.86	1/4	7,920.13	1/4	1/4		1/4		1/4
1/2	5,062.35	1/2	5,647.34	1/2	6,207.28	1/2	6,731.21	1/2	7,205.87	1/2	7,613.48	1/2	7,925.29	1/2	1/2		1/2		1/2
3/4	5,074.73	3/4	5,659.30	3/4	6,218.61	3/4	6,741.67	3/4	7,215.14	3/4	7,621.11	3/4	7,930.44	3/4	3/4		3/4		3/4
3	5,087.11	3	5,671.26	3	6,229.94	3	6,752.12	3	7,224.40	3	7,628.74	3	7,935.60	3	3		3		3
1/4	5,099.47	1/4	5,683.18	1/4	6,241.21	1/4	6,762.49	1/4	7,233.55	1/4	7,636.20	1/4	7,940.48	1/4	1/4		1/4		1/4
1/2	5,111.82	1/2	5,695.09	1/2	6,252.48	1/2	6,772.86	1/2	7,242.70	1/2	7,643.66	1/2	7,945.36	1/2	1/2		1/2		1/2
3/4	5,124.17	3/4	5,707.01	3/4	6,263.75	3/4	6,783.22	3/4	7,251.84	3/4	7,651.13	3/4	7,950.24	3/4	3/4		3/4		3/4
4	5,136.52	4	5,718.93	4	6,275.02	4	6,793.59	4	7,260.99	4	7,658.59	4	7,955.13	4	4		4		4
1/4	5,148.84	1/4	5,730.80	1/4	6,286.22	1/4	6,803.87	1/4	7,270.02	1/4	7,665.88	1/4	7,959.71	1/4	1/4		1/4		1/4
1/2	5,161.17	1/2	5,742.67	1/2	6,297.42	1/2	6,814.15	1/2	7,279.05	1/2	7,673.17	1/2	7,964.29	1/2	1/2		1/2		1/2
3/4	5,173.49	3/4	5,754.55	3/4	6,308.63	3/4	6,824.43	3/4	7,288.07	3/4	7,680.47	3/4	7,968.87	3/4	3/4		3/4		3/4
5	5,185.81	5	5,766.42	5	6,319.83	5	6,834.71	5	7,297.10	5	7,687.76	5	7,973.46	5	5		5		5
1/4	5,198.11	1/4	5,778.24	1/4	6,330.97	1/4	6,844.90	1/4	7,306.01	1/4	7,694.87	1/4	7,977.72	1/4	1/4		1/4		1/4
1/2	5,210.40	1/2	5,790.07	1/2	6,342.11	1/2	6,855.09	1/2	7,314.91	1/2	7,701.99	1/2	7,981.98	1/2	1/2		1/2		1/2
3/4	5,222.70	3/4	5,801.89	3/4	6,353.24	3/4	6,865.28	3/4	7,323.81	3/4	7,709.11	3/4	7,986.24	3/4	3/4		3/4		3/4
6	5,234.99	6	5,813.72	6	6,364.38	6	6,875.47	6	7,332.72	6	7,716.22	6	7,990.50	6	6		6		6
1/4	5,247.25	1/4	5,825.50	1/4	6,375.45	1/4	6,885.56	1/4	7,341.50	1/4	7,723.16	1/4	7,994.41	1/4	1/4		1/4		1/4
1/2	5,259.51	1/2	5,837.27	1/2	6,386.52	1/2	6,895.66	1/2	7,350.28	1/2	7,730.09	1/2	7,998.33	1/2	1/2		1/2		1/2
3/4	5,271.78	3/4	5,849.05	3/4	6,397.59	3/4	6,905.76	3/4	7,359.06	3/4	7,737.02	3/4	8,002.24	3/4	3/4		3/4		3/4
7	5,284.04	7	5,860.83	7	6,408.66	7	6,915.85	7	7,367.83	7	7,743.96	7	8,006.15	7	7		7		7
1/4	5,296.27	1/4	5,872.55	1/4	6,419.66	1/4	6,925.86	1/4	7,376.48	1/4	7,750.70	1/4	8,009.67	1/4	1/4		1/4		1/4
1/2	5,308.50	1/2	5,884.28	1/2	6,430.65	1/2	6,935.86	1/2	7,385.13	1/2	7,757.45	1/2	8,013.20	1/2	1/2		1/2		1/2
3/4	5,320.73	3/4	5,896.01	3/4	6,441.65	3/4	6,945.86	3/4	7,393.78	3/4	7,764.19	3/4	8,016.72	3/4	3/4		3/4		3/4
8	5,332.96	8	5,907.73	8	6,452.65	8	6,955.86	8	7,402.43	8	7,770.93	8	8,020.24	8	8		8		8
1/4	5,345.15	1/4	5,919.41	1/4	6,463.58	1/4	6,965.76	1/4	7,410.94	1/4	7,777.48	1/4	8,023.33	1/4	1/4		1/4		1/4
1/2	5,357.35	1/2	5,931.08	1/2	6,474.51	1/2	6,975.67	1/2	7,419.46	1/2	7,784.03	1/2	8,026.41	1/2	1/2		1/2		1/2
3/4	5,369.54	3/4	5,942.76	3/4	6,485.43	3/4	6,985.57	3/4	7,427.97	3/4	7,790.57	3/4	8,029.49	3/4	3/4		3/4		3/4
9	5,381.74	9	5,954.43	9	6,496.36	9	6,995.48	9	7,436.49	9	7,797.12	9	8,032.58	9	9		9		9
1/4	5,393.90	1/4	5,966.06	1/4	6,507.21	1/4	7,005.28	1/4	7,444.87	1/4	7,803.46	1/4	8,035.14	1/4	1/4		1/4		1/4
1/2	5,406.06	1/2	5,977.68	1/2	6,518.06	1/2	7,015.08	1/2	7,453.25	1/2	7,809.80	1/2	8,037.71	1/2	1/2		1/2		1/2
3/4	5,418.22	3/4	5,989.30	3/4	6,528.92	3/4	7,024.89	3/4	7,461.62	3/4	7,816.15	3/4	8,040.27	3/4	3/4		3/4		3/4
10	5,430.38	10	6,000.92	10	6,539.77	10	7,034.69	10	7,470.00	10	7,822.49	10	8,042.84	10	10		10		10
1/4	5,442.50	1/4	6,012.49	1/4	6,550.55	1/4	7,044.39	1/4	7,478.24	1/4	7,828.62	1/4	8,044.74	1/4	1/4		1/4		1/4
1/2	5,454.63	1/2	6,024.05	1/2	6,561.32	1/2	7,054.09	1/2	7,486.48	1/2	7,834.74	1/2	8,046.65	1/2	1/2		1/2		1/2
3/4	5,466.75	3/4	6,035.62	3/4	6,572.10	3/4	7,063.79	3/4	7,494.71	3/4	7,840.87	3/4	8,048.55	3/4	3/4		3/4		3/4
11	5,478.87	11	6,047.19	11	6,582.88	11	7,073.50	11	7,502.95	11	7,847.00	11	8,050.45	11	11		11		11
1/4	5,490.96	1/4	6,058.70	1/4	6,593.58	1/4	7,083.09	1/4	7,511.04	1/4	7,852.90	1/4	8,051.44	1/4	1/4		1/4		1/4
1/2	5,503.04	1/2	6,070.21	1/2	6,604.28	1/2	7,092.69	1/2	7,519.13	1/2	7,858.81	1/2	8,052.43	1/2	1/2		1/2		1/2
3/4	5,515.13	3/4	6,081.72	3/4	6,614.98	3/4	7,102.28	3/4	7,527.22	3/4	7,864.71	3/4	8,053.42	3/4	3/4		3/4		3/4

STRAPPED: 12/08/2011 CL - SW  
CALCULATED: 12/08/2011 CL  
NAME CHANGE: 06/15/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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