



# BARGE "WEB 221B"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 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	- 01-1/8	01-1/8
2 PORT	- 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	- 01-1/8	01-1/8
2 STBD	- 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	- 01-1/8	01-1/8
3 PORT	- 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	- 01-1/8	01-1/8
3 STBD	- 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	- 01-1/8	01-1/8
4 CENTER	- 00-7/8	00-7/8	- 01-3/4	01-3/4	- 02-5/8	02-5/8	- 03-1/2	03-1/2	- 04-3/8	04-3/8	- 05-1/8	05-1/8

(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 1 PORT IS 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 271'-00"

February 24, 2009

PRECISION MEASUREMENT  
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# BARGE "WEB 221-B"

## 1 CENTER INNAGE TABLE

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

GAUGE HEIGHT 15'-01 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	0.91	0	504.89	0	1,071.74	0	1,640.72	0	2,209.63	0	2,778.59	0	3,347.69	0	3,916.82	0	4,485.85	0	5,054.68
1/4	3.87	1/4	516.71	1/4	1,083.60	1/4	1,652.67	1/4	2,221.39	1/4	2,790.42	1/4	3,359.45	1/4	3,928.48	1/4	4,497.50	1/4	5,066.53
1/2	6.84	1/2	528.54	1/2	1,095.46	1/2	1,664.42	1/2	2,233.24	1/2	2,802.27	1/2	3,371.30	1/2	3,940.33	1/2	4,509.36	1/2	5,078.39
3/4	9.80	3/4	540.36	3/4	1,107.31	3/4	1,676.27	3/4	2,245.10	3/4	2,814.13	3/4	3,383.16	3/4	3,952.19	3/4	4,521.21	3/4	5,090.24
1	12.76	1	552.18	1	1,119.16	1	1,688.12	1	2,256.95	1	2,826.99	1	3,395.01	1	3,964.04	1	4,533.07	1	5,102.10
1 1/4	19.62	1 1/4	564.01	1 1/4	1,131.02	1 1/4	1,699.97	1 1/4	2,268.81	1 1/4	2,837.84	1 1/4	3,406.87	1 1/4	3,975.90	1 1/4	4,544.92	1 1/4	5,113.95
1 1/2	26.29	1 1/2	575.85	1 1/2	1,142.87	1 1/2	1,711.82	1 1/2	2,280.66	1 1/2	2,849.69	1 1/2	3,418.72	1 1/2	3,987.75	1 1/2	4,556.78	1 1/2	5,126.81
3/4	33.05	3/4	587.68	3/4	1,154.73	3/4	1,723.67	3/4	2,292.52	3/4	2,861.55	3/4	3,430.58	3/4	3,999.61	3/4	4,568.63	3/4	5,137.66
2	39.81	2	599.51	2	1,166.58	2	1,735.52	2	2,304.37	2	2,873.40	2	3,442.43	2	4,011.46	2	4,580.49	2	5,149.52
1 1/4	50.25	1 1/4	611.37	1 1/4	1,178.44	1 1/4	1,747.37	1 1/4	2,316.23	1 1/4	2,885.26	1 1/4	3,454.29	1 1/4	4,023.32	1 1/4	4,592.34	1 1/4	5,161.37
1 1/2	60.69	1 1/2	623.22	1 1/2	1,190.29	1 1/2	1,759.22	1 1/2	2,328.08	1 1/2	2,897.11	1 1/2	3,466.14	1 1/2	4,035.17	1 1/2	4,604.20	1 1/2	5,173.23
3/4	71.13	3/4	635.08	3/4	1,202.15	3/4	1,771.07	3/4	2,339.94	3/4	2,908.97	3/4	3,478.00	3/4	4,047.03	3/4	4,616.05	3/4	5,185.08
3	81.67	3	646.93	3	1,214.00	3	1,782.92	3	2,351.79	3	2,920.82	3	3,489.85	3	4,058.88	3	4,627.91	3	5,196.94
1 1/4	93.10	1 1/4	658.79	1 1/4	1,225.86	1 1/4	1,794.77	1 1/4	2,363.65	1 1/4	2,932.68	1 1/4	3,501.71	1 1/4	4,070.74	1 1/4	4,639.76	1 1/4	5,208.79
1 1/2	104.63	1 1/2	670.64	1 1/2	1,237.71	1 1/2	1,806.62	1 1/2	2,375.50	1 1/2	2,944.63	1 1/2	3,513.56	1 1/2	4,082.59	1 1/2	4,651.82	1 1/2	5,220.66
3/4	116.16	3/4	682.50	3/4	1,249.57	3/4	1,818.47	3/4	2,387.36	3/4	2,956.59	3/4	3,525.42	3/4	4,094.45	3/4	4,663.67	3/4	5,232.50
4	127.69	4	694.35	4	1,261.42	4	1,830.32	4	2,399.21	4	2,968.24	4	3,537.27	4	4,106.30	4	4,675.33	4	5,244.36
1 1/4	139.27	1 1/4	706.21	1 1/4	1,273.28	1 1/4	1,842.17	1 1/4	2,411.07	1 1/4	2,980.10	1 1/4	3,549.13	1 1/4	4,118.16	1 1/4	4,687.18	1 1/4	5,256.21
1 1/2	150.86	1 1/2	718.06	1 1/2	1,285.13	1 1/2	1,854.02	1 1/2	2,422.92	1 1/2	2,991.95	1 1/2	3,560.98	1 1/2	4,130.01	1 1/2	4,699.04	1 1/2	5,268.07
3/4	162.44	3/4	729.92	3/4	1,296.99	3/4	1,865.87	3/4	2,434.78	3/4	3,003.81	3/4	3,572.84	3/4	4,141.87	3/4	4,710.89	3/4	5,279.92
5	174.02	5	741.77	5	1,308.84	5	1,877.72	5	2,446.63	5	3,015.66	5	3,584.69	5	4,153.72	5	4,722.75	5	5,291.78
1 1/4	185.83	1 1/4	753.69	1 1/4	1,320.70	1 1/4	1,889.57	1 1/4	2,458.49	1 1/4	3,027.52	1 1/4	3,596.56	1 1/4	4,165.58	1 1/4	4,734.60	1 1/4	5,303.63
1 1/2	197.63	1 1/2	765.41	1 1/2	1,332.55	1 1/2	1,901.42	1 1/2	2,470.34	1 1/2	3,039.37	1 1/2	3,608.40	1 1/2	4,177.43	1 1/2	4,746.46	1 1/2	5,315.49
3/4	209.44	3/4	777.22	3/4	1,344.41	3/4	1,913.27	3/4	2,482.20	3/4	3,051.23	3/4	3,620.26	3/4	4,189.28	3/4	4,758.31	3/4	5,327.34
6	221.24	6	789.04	6	1,356.26	6	1,925.12	6	2,494.05	6	3,063.08	6	3,632.11	6	4,201.14	6	4,770.17	6	5,339.20
1 1/4	233.05	1 1/4	800.82	1 1/4	1,368.12	1 1/4	1,936.97	1 1/4	2,505.91	1 1/4	3,074.94	1 1/4	3,643.97	1 1/4	4,212.99	1 1/4	4,782.02	1 1/4	5,351.05
1 1/2	244.86	1 1/2	812.60	1 1/2	1,379.97	1 1/2	1,948.82	1 1/2	2,517.76	1 1/2	3,086.79	1 1/2	3,656.82	1 1/2	4,224.85	1 1/2	4,793.88	1 1/2	5,362.91
3/4	256.66	3/4	824.38	3/4	1,391.83	3/4	1,960.67	3/4	2,529.62	3/4	3,098.65	3/4	3,667.68	3/4	4,236.70	3/4	4,805.73	3/4	5,374.76
7	268.47	7	836.16	7	1,403.68	7	1,972.52	7	2,541.47	7	3,110.50	7	3,679.53	7	4,248.56	7	4,817.59	7	5,386.62
1 1/4	280.28	1 1/4	847.93	1 1/4	1,415.53	1 1/4	1,984.37	1 1/4	2,553.33	1 1/4	3,122.36	1 1/4	3,691.39	1 1/4	4,260.41	1 1/4	4,829.44	1 1/4	5,398.47
1 1/2	292.08	1 1/2	859.69	1 1/2	1,427.39	1 1/2	1,996.22	1 1/2	2,565.18	1 1/2	3,134.21	1 1/2	3,703.24	1 1/2	4,272.27	1 1/2	4,841.30	1 1/2	5,410.33
3/4	303.89	3/4	871.46	3/4	1,439.24	3/4	2,008.07	3/4	2,577.04	3/4	3,146.07	3/4	3,715.10	3/4	4,284.12	3/4	4,853.15	3/4	5,422.18
8	315.69	8	883.22	8	1,451.09	8	2,019.92	8	2,588.89	8	3,157.92	8	3,726.96	8	4,295.98	8	4,865.01	8	5,434.04
1 1/4	327.51	1 1/4	894.97	1 1/4	1,462.94	1 1/4	2,031.77	1 1/4	2,600.75	1 1/4	3,169.78	1 1/4	3,738.81	1 1/4	4,307.83	1 1/4	4,876.86	1 1/4	5,445.89
1 1/2	339.33	1 1/2	906.72	1 1/2	1,474.79	1 1/2	2,043.63	1 1/2	2,612.60	1 1/2	3,181.63	1 1/2	3,750.66	1 1/2	4,319.69	1 1/2	4,888.72	1 1/2	5,457.76
3/4	351.14	3/4	918.47	3/4	1,486.64	3/4	2,055.48	3/4	2,624.46	3/4	3,193.49	3/4	3,762.52	3/4	4,331.54	3/4	4,900.57	3/4	5,469.60
9	362.96	9	930.22	9	1,498.49	9	2,067.33	9	2,636.31	9	3,205.34	9	3,774.37	9	4,343.40	9	4,912.43	9	5,481.46
1 1/4	374.79	1 1/4	941.97	1 1/4	1,510.34	1 1/4	2,079.18	1 1/4	2,648.16	1 1/4	3,217.19	1 1/4	3,786.23	1 1/4	4,355.25	1 1/4	4,924.28	1 1/4	5,493.31
1 1/2	386.62	1 1/2	953.72	1 1/2	1,522.19	1 1/2	2,091.03	1 1/2	2,660.02	1 1/2	3,229.05	1 1/2	3,798.08	1 1/2	4,367.11	1 1/2	4,936.14	1 1/2	5,505.17
3/4	398.44	3/4	965.47	3/4	1,534.04	3/4	2,102.88	3/4	2,671.87	3/4	3,240.90	3/4	3,809.94	3/4	4,378.96	3/4	4,947.99	3/4	5,517.02
10	410.27	10	977.22	10	1,545.89	10	2,114.73	10	2,683.72	10	3,252.75	10	3,821.79	10	4,390.82	10	4,959.85	10	5,528.88
1 1/4	422.10	1 1/4	989.00	1 1/4	1,557.75	1 1/4	2,126.58	1 1/4	2,695.58	1 1/4	3,264.61	1 1/4	3,833.64	1 1/4	4,402.67	1 1/4	4,971.70	1 1/4	5,540.73
1 1/2	433.93	1 1/2	1,000.77	1 1/2	1,569.60	1 1/2	2,138.43	1 1/2	2,707.43	1 1/2	3,276.46	1 1/2	3,845.50	1 1/2	4,414.62	1 1/2	4,983.56	1 1/2	5,552.59
3/4	445.76	3/4	1,012.55	3/4	1,581.46	3/4	2,150.28	3/4	2,719.28	3/4	3,288.32	3/4	3,857.35	3/4	4,426.38	3/4	4,995.41	3/4	5,564.44
11	457.59	11	1,024.32	11	1,593.31	11	2,162.13	11	2,731.14	11	3,300.17	11	3,869.20	11	4,438.23	11	5,007.27	11	5,576.30
1 1/4	469.42	1 1/4	1,036.18	1 1/4	1,605.16	1 1/4	2,173.98	1 1/4	2,743.00	1 1/4	3,312.03	1 1/4	3,881.06	1 1/4	4,450.08	1 1/4	5,019.12	1 1/4	5,588.15
1 1/2	481.24	1 1/2	1,048.03	1 1/2	1,617.02	1 1/2	2,185.83	1 1/2	2,754.85	1 1/2	3,323.88	1 1/2	3,892.91	1 1/2	4,461.94	1 1/2	5,030.97	1 1/2	5,600.00
3/4	493.07	3/4	1,059.89	3/4	1,628.87	3/4	2,197.68	3/4	2,766.71	3/4	3,335.74	3/4	3,904.77	3/4	4,473.79	3/4	5,042.83	3/4	5,611.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
 GAUGE POINT: (10" GAUGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "WEB 221-B"

## 1 CENTER INNAGE TABLE

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

GAUGE HEIGHT 15'-01 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	5,623.71	0	6,192.75	0	6,781.78	0	7,330.81	0	7,899.92	0		0		0		0		0	
1/4	5,635.56	1/4	6,204.60	1/4	6,773.63	1/4	7,342.66	1/4	7,911.78	1/4		1/4		1/4		1/4		1/4	
1/2	5,647.42	1/2	6,216.45	1/2	6,785.48	1/2	7,354.52	1/2	7,923.64	1/2		1/2		1/2		1/2		1/2	
3/4	5,659.27	3/4	6,228.31	3/4	6,797.34	3/4	7,366.37	3/4	7,935.51	3/4		3/4		3/4		3/4		3/4	
1	5,671.13	1	6,240.16	1	6,809.19	1	7,378.23	1	7,947.37	1		1		1		1		1	
1 1/4	5,682.98	1 1/4	6,252.01	1 1/4	6,821.04	1 1/4	7,390.08	1 1/4	7,959.22	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	5,694.84	1 1/2	6,263.87	1 1/2	6,832.90	1 1/2	7,401.94	1 1/2	7,971.07	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	5,706.69	2	6,275.72	2	6,844.75	2	7,413.79	2	7,982.92	2		2		2		2		2	
2 1/4	5,718.55	2 1/4	6,287.58	2 1/4	6,856.61	2 1/4	7,425.65	2 1/4	7,994.77	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	5,730.40	2 1/2	6,299.43	2 1/2	6,868.46	2 1/2	7,437.51	2 1/2	8,006.62	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
3	5,742.26	3	6,311.29	3	6,880.32	3	7,449.36	3	8,018.47	3		3		3		3		3	
3 1/4	5,754.11	3 1/4	6,323.14	3 1/4	6,892.17	3 1/4	7,461.22	3 1/4	8,029.31	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	5,765.97	3 1/2	6,335.00	3 1/2	6,904.03	3 1/2	7,473.08	3 1/2	8,041.16	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
4	5,777.82	4	6,346.85	4	6,915.88	4	7,484.93	4	8,051.51	4		4		4		4		4	
4 1/4	5,789.68	4 1/4	6,358.71	4 1/4	6,927.74	4 1/4	7,496.79	4 1/4	8,061.39	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	5,801.53	4 1/2	6,370.56	4 1/2	6,939.59	4 1/2	7,508.64	4 1/2	8,071.27	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	5,813.39	4 3/4	6,382.42	4 3/4	6,951.45	4 3/4	7,520.50	4 3/4	8,081.15	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	5,825.24	5	6,394.27	5	6,963.30	5	7,532.36	5	8,088.77	5		5		5		5		5	
5 1/4	5,837.10	5 1/4	6,406.13	5 1/4	6,975.16	5 1/4	7,544.21	5 1/4	8,096.39	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	5,848.95	5 1/2	6,417.98	5 1/2	6,987.01	5 1/2	7,556.07	5 1/2	8,104.02	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	5,860.81	5 3/4	6,429.84	5 3/4	6,998.87	5 3/4	7,567.93	5 3/4	8,111.64	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	5,872.66	6	6,441.69	6	7,010.72	6	7,579.78	6	8,117.00	6		6		6		6		6	
6 1/4	5,884.52	6 1/4	6,453.55	6 1/4	7,022.58	6 1/4	7,591.64	6 1/4	8,122.36	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	5,896.37	6 1/2	6,465.40	6 1/2	7,034.43	6 1/2	7,603.49	6 1/2	8,127.73	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	5,908.23	6 3/4	6,477.26	6 3/4	7,046.29	6 3/4	7,615.35	6 3/4	8,133.09	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	5,920.08	7	6,489.11	7	7,058.14	7	7,627.20	7	8,136.19	7		7		7		7		7	
7 1/4	5,931.94	7 1/4	6,500.97	7 1/4	7,070.00	7 1/4	7,639.05	7 1/4	8,139.30	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	5,943.79	7 1/2	6,512.82	7 1/2	7,081.85	7 1/2	7,650.91	7 1/2	8,142.40	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	5,955.65	7 3/4	6,524.68	7 3/4	7,093.71	7 3/4	7,662.76	7 3/4	8,145.51	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	5,967.50	8	6,536.53	8	7,105.56	8	7,674.62	8	8,146.64	8		8		8		8		8	
8 1/4	5,979.36	8 1/4	6,548.39	8 1/4	7,117.42	8 1/4	7,686.48	8 1/4	8,147.76	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	5,991.21	8 1/2	6,560.24	8 1/2	7,129.27	8 1/2	7,698.35	8 1/2	8,148.89	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	6,003.07	8 3/4	6,572.10	8 3/4	7,141.13	8 3/4	7,710.21	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	6,014.92	9	6,583.95	9	7,152.98	9	7,722.07	9		9		9		9		9		9	
9 1/4	6,026.78	9 1/4	6,595.81	9 1/4	7,164.84	9 1/4	7,733.92	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	6,038.63	9 1/2	6,607.66	9 1/2	7,176.69	9 1/2	7,745.78	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	6,050.49	9 3/4	6,619.52	9 3/4	7,188.55	9 3/4	7,757.64	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	6,062.34	10	6,631.37	10	7,200.40	10	7,769.49	10		10		10		10		10		10	
10 1/4	6,074.20	10 1/4	6,643.23	10 1/4	7,212.26	10 1/4	7,781.34	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	6,086.05	10 1/2	6,655.08	10 1/2	7,224.11	10 1/2	7,793.20	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	6,097.91	10 3/4	6,666.94	10 3/4	7,235.97	10 3/4	7,805.05	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	6,109.76	11	6,678.79	11	7,247.82	11	7,816.91	11		11		11		11		11		11	
11 1/4	6,121.62	11 1/4	6,690.65	11 1/4	7,259.68	11 1/4	7,828.77	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	6,133.47	11 1/2	6,702.50	11 1/2	7,271.53	11 1/2	7,840.63	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	6,145.33	11 3/4	6,714.36	11 3/4	7,283.39	11 3/4	7,852.49	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	
12	6,157.18	12	6,726.21	12	7,295.24	12	7,864.35	12		12		12		12		12		12	
12 1/4	6,169.04	12 1/4	6,738.07	12 1/4	7,307.10	12 1/4	7,876.20	12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4	
12 1/2	6,180.89	12 1/2	6,749.92	12 1/2	7,318.95	12 1/2	7,888.06	12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2082  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "WEB 221-B"

## 2 PORT INNAGE TABLE

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

GAUGE HEIGHT 14'-10"

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	9.28	0	283.26	0	667.69	0	853.56	0	1,138.61	0	1,424.68	0	1,710.76	0	1,996.83	0	2,282.91	0	2,568.98
1/4	13.11	1/4	289.20	1/4	573.65	1/4	859.50	1/4	1,144.57	1/4	1,430.64	1/4	1,716.72	1/4	2,002.79	1/4	2,288.87	1/4	2,574.94
1/2	16.95	1/2	295.14	1/2	579.61	1/2	865.43	1/2	1,150.53	1/2	1,436.60	1/2	1,722.68	1/2	2,008.75	1/2	2,294.83	1/2	2,580.90
3/4	20.78	3/4	301.08	3/4	585.57	3/4	871.37	3/4	1,156.48	3/4	1,442.56	3/4	1,728.64	3/4	2,014.71	3/4	2,300.79	3/4	2,586.86
1	24.61	1	307.02	1	591.53	1	877.30	1	1,162.44	1	1,448.52	1	1,734.60	1	2,020.67	1	2,306.75	1	2,592.82
1 1/4	30.14	1 1/4	312.96	1 1/4	597.49	1 1/4	883.24	1 1/4	1,168.40	1 1/4	1,454.48	1 1/4	1,740.56	1 1/4	2,026.63	1 1/4	2,312.71	1 1/4	2,598.78
1 1/2	35.67	1 1/2	318.91	1 1/2	603.45	1 1/2	889.17	1 1/2	1,174.36	1 1/2	1,460.44	1 1/2	1,746.52	1 1/2	2,032.69	1 1/2	2,318.67	1 1/2	2,604.74
3 1/4	41.19	3 1/4	324.85	3 1/4	609.41	3 1/4	895.11	3 1/4	1,180.32	3 1/4	1,466.40	3 1/4	1,752.47	3 1/4	2,038.55	3 1/4	2,324.63	3 1/4	2,610.70
2	46.72	2	330.79	2	615.37	2	901.04	2	1,186.28	2	1,472.36	2	1,758.43	2	2,044.51	2	2,330.69	2	2,616.66
1 1/4	52.50	1 1/4	336.73	1 1/4	621.33	1 1/4	906.98	1 1/4	1,192.24	1 1/4	1,478.32	1 1/4	1,764.39	1 1/4	2,050.47	1 1/4	2,336.55	1 1/4	2,622.62
1 1/2	58.28	1 1/2	342.68	1 1/2	627.29	1 1/2	912.91	1 1/2	1,198.20	1 1/2	1,484.28	1 1/2	1,770.35	1 1/2	2,056.43	1 1/2	2,342.51	1 1/2	2,628.58
3 1/4	64.06	3 1/4	348.62	3 1/4	633.25	3 1/4	918.85	3 1/4	1,204.16	3 1/4	1,490.24	3 1/4	1,776.31	3 1/4	2,062.39	3 1/4	2,348.46	3 1/4	2,634.54
3	69.84	3	354.56	3	639.21	3	924.78	3	1,210.12	3	1,496.20	3	1,782.27	3	2,068.35	3	2,354.42	3	2,640.50
1 1/4	75.69	1 1/4	360.50	1 1/4	645.17	1 1/4	930.72	1 1/4	1,216.08	1 1/4	1,502.16	1 1/4	1,788.24	1 1/4	2,074.31	1 1/4	2,360.38	1 1/4	2,646.46
1 1/2	81.55	1 1/2	366.44	1 1/2	651.13	1 1/2	936.66	1 1/2	1,222.04	1 1/2	1,508.12	1 1/2	1,794.21	1 1/2	2,080.27	1 1/2	2,366.34	1 1/2	2,652.42
3 1/4	87.40	3 1/4	372.38	3 1/4	657.09	3 1/4	942.59	3 1/4	1,228.00	3 1/4	1,514.08	3 1/4	1,800.17	3 1/4	2,086.23	3 1/4	2,372.30	3 1/4	2,658.38
4	93.25	4	378.32	4	663.05	4	948.53	4	1,233.98	4	1,520.04	4	1,806.14	4	2,092.19	4	2,378.26	4	2,664.34
1 1/4	99.18	1 1/4	384.23	1 1/4	669.01	1 1/4	954.47	1 1/4	1,239.92	1 1/4	1,526.00	1 1/4	1,812.09	1 1/4	2,098.16	1 1/4	2,384.22	1 1/4	2,670.30
1 1/2	105.12	1 1/2	390.14	1 1/2	674.97	1 1/2	960.40	1 1/2	1,245.88	1 1/2	1,531.96	1 1/2	1,818.05	1 1/2	2,104.11	1 1/2	2,390.18	1 1/2	2,676.26
3 1/4	111.05	3 1/4	396.04	3 1/4	680.93	3 1/4	966.34	3 1/4	1,251.84	3 1/4	1,537.92	3 1/4	1,824.00	3 1/4	2,110.07	3 1/4	2,396.14	3 1/4	2,682.22
5	116.98	5	401.95	5	686.89	5	972.27	5	1,257.80	5	1,543.88	5	1,829.95	5	2,116.03	5	2,402.10	5	2,688.18
1 1/4	122.91	1 1/4	407.85	1 1/4	692.85	1 1/4	978.21	1 1/4	1,263.76	1 1/4	1,549.84	1 1/4	1,835.91	1 1/4	2,121.99	1 1/4	2,408.06	1 1/4	2,694.14
1 1/2	128.84	1 1/2	413.75	1 1/2	698.81	1 1/2	984.14	1 1/2	1,269.72	1 1/2	1,555.80	1 1/2	1,841.87	1 1/2	2,127.95	1 1/2	2,414.02	1 1/2	2,700.10
3 1/4	134.77	3 1/4	419.64	3 1/4	704.77	3 1/4	990.08	3 1/4	1,275.68	3 1/4	1,561.76	3 1/4	1,847.83	3 1/4	2,133.91	3 1/4	2,419.98	3 1/4	2,706.06
6	140.70	6	425.54	6	710.73	6	996.01	6	1,281.64	6	1,567.72	6	1,853.79	6	2,139.87	6	2,425.94	6	2,712.02
1 1/4	146.63	1 1/4	431.44	1 1/4	716.69	1 1/4	1,001.95	1 1/4	1,287.60	1 1/4	1,573.68	1 1/4	1,859.75	1 1/4	2,145.83	1 1/4	2,431.90	1 1/4	2,717.98
1 1/2	152.56	1 1/2	437.34	1 1/2	722.65	1 1/2	1,007.88	1 1/2	1,293.56	1 1/2	1,579.64	1 1/2	1,865.71	1 1/2	2,151.79	1 1/2	2,437.86	1 1/2	2,723.94
3 1/4	158.49	3 1/4	443.23	3 1/4	728.61	3 1/4	1,013.82	3 1/4	1,299.52	3 1/4	1,585.60	3 1/4	1,871.67	3 1/4	2,157.75	3 1/4	2,443.82	3 1/4	2,729.90
7	164.42	7	449.13	7	734.57	7	1,019.76	7	1,305.48	7	1,591.56	7	1,877.63	7	2,163.71	7	2,449.78	7	2,735.86
1 1/4	170.36	1 1/4	455.03	1 1/4	740.53	1 1/4	1,025.69	1 1/4	1,311.44	1 1/4	1,597.52	1 1/4	1,883.59	1 1/4	2,169.67	1 1/4	2,455.74	1 1/4	2,741.82
1 1/2	176.30	1 1/2	460.92	1 1/2	746.49	1 1/2	1,031.62	1 1/2	1,317.40	1 1/2	1,603.48	1 1/2	1,889.55	1 1/2	2,175.63	1 1/2	2,461.70	1 1/2	2,747.78
3 1/4	182.23	3 1/4	466.82	3 1/4	752.44	3 1/4	1,037.56	3 1/4	1,323.36	3 1/4	1,609.44	3 1/4	1,895.51	3 1/4	2,181.59	3 1/4	2,467.66	3 1/4	2,753.74
8	188.17	8	472.71	8	758.40	8	1,043.49	8	1,329.32	8	1,615.40	8	1,901.47	8	2,187.55	8	2,473.62	8	2,759.70
1 1/4	194.12	1 1/4	478.61	1 1/4	764.36	1 1/4	1,049.43	1 1/4	1,335.28	1 1/4	1,621.36	1 1/4	1,907.43	1 1/4	2,193.51	1 1/4	2,479.58	1 1/4	2,765.66
1 1/2	200.06	1 1/2	484.51	1 1/2	770.32	1 1/2	1,055.36	1 1/2	1,341.24	1 1/2	1,627.32	1 1/2	1,913.39	1 1/2	2,199.47	1 1/2	2,485.54	1 1/2	2,771.62
3 1/4	206.01	3 1/4	490.40	3 1/4	776.27	3 1/4	1,061.30	3 1/4	1,347.20	3 1/4	1,633.28	3 1/4	1,919.35	3 1/4	2,205.43	3 1/4	2,491.50	3 1/4	2,777.58
9	211.95	9	496.30	9	782.23	9	1,067.23	9	1,353.16	9	1,639.24	9	1,925.31	9	2,211.39	9	2,497.46	9	2,783.54
1 1/4	217.89	1 1/4	502.23	1 1/4	788.19	1 1/4	1,073.17	1 1/4	1,359.12	1 1/4	1,645.20	1 1/4	1,931.27	1 1/4	2,217.35	1 1/4	2,503.42	1 1/4	2,789.50
1 1/2	223.84	1 1/2	508.16	1 1/2	794.14	1 1/2	1,079.10	1 1/2	1,365.08	1 1/2	1,651.16	1 1/2	1,937.23	1 1/2	2,223.31	1 1/2	2,509.38	1 1/2	2,795.46
3 1/4	229.78	3 1/4	514.08	3 1/4	800.10	3 1/4	1,085.04	3 1/4	1,371.04	3 1/4	1,657.12	3 1/4	1,943.19	3 1/4	2,229.27	3 1/4	2,515.34	3 1/4	2,801.42
10	235.72	10	520.01	10	806.05	10	1,090.97	10	1,377.00	10	1,663.08	10	1,949.15	10	2,235.23	10	2,521.30	10	2,807.38
1 1/4	241.66	1 1/4	525.97	1 1/4	811.99	1 1/4	1,096.92	1 1/4	1,382.96	1 1/4	1,669.04	1 1/4	1,955.11	1 1/4	2,241.19	1 1/4	2,527.26	1 1/4	2,813.34
1 1/2	247.61	1 1/2	531.93	1 1/2	817.94	1 1/2	1,102.87	1 1/2	1,388.92	1 1/2	1,675.00	1 1/2	1,961.07	1 1/2	2,247.15	1 1/2	2,533.22	1 1/2	2,819.30
3 1/4	253.55	3 1/4	537.89	3 1/4	823.88	3 1/4	1,108.82	3 1/4	1,394.88	3 1/4	1,680.96	3 1/4	1,967.03	3 1/4	2,253.11	3 1/4	2,539.18	3 1/4	2,825.26
11	259.49	11	543.85	11	829.82	11	1,114.77	11	1,400.84	11	1,686.92	11	1,972.99	11	2,259.07	11	2,545.14	11	2,831.22
1 1/4	265.43	1 1/4	549.81	1 1/4	835.76	1 1/4	1,120.73	1 1/4	1,406.80	1 1/4	1,692.88	1 1/4	1,978.95	1 1/4	2,265.03	1 1/4	2,551.10	1 1/4	2,837.18
1 1/2	271.38	1 1/2	555.77	1 1/2	841.69	1 1/2	1,126.69	1 1/2	1,412.72	1 1/2	1,698.84	1 1/2	1,984.91	1 1/2	2,270.99	1 1/2	2,557.06	1 1/2	2,843.14
3 1/4	277.32	3 1/4	561.73	3 1/4	847.63	3 1/4	1,132.66	3 1/4	1,418.72	3 1/4	1,704.80	3 1/4	1,990.87	3 1/4	2,276.95	3 1/4	2,563.02	3 1/4	2,849.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
 GAUGE POINT: (10" GAUGE HATCH) LOCATED 11'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2692  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "WEB 221-B"

## 2 PORT INNAGE TABLE

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

GAUGE HEIGHT 14'-10"

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	2,856.06	0	3,141.13	0	3,427.21	0	3,713.28	0	4,000.14	0	0	0	0	0	0	0	0	0	0
1/4	2,861.02	1/4	3,147.09	1/4	3,433.17	1/4	3,719.25	1/4	4,006.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,866.98	1/2	3,153.06	1/2	3,439.13	1/2	3,725.23	1/2	4,012.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,872.94	3/4	3,159.01	3/4	3,445.09	3/4	3,731.20	3/4	4,018.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,878.90	1	3,164.97	1	3,451.05	1	3,737.17	1	4,024.04	1	1	1	1	1	1	1	1	1	1
1 1/4	2,884.86	1 1/4	3,170.93	1 1/4	3,457.01	1 1/4	3,743.15	1 1/4	4,029.95	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,890.82	1 1/2	3,176.89	1 1/2	3,462.97	1 1/2	3,749.13	1 1/2	4,035.86	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,896.78	3/4	3,182.85	3/4	3,468.93	3/4	3,755.10	3/4	4,041.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,902.74	2	3,188.81	2	3,474.89	2	3,761.08	2	4,047.67	2	2	2	2	2	2	2	2	2	2
1 1/4	2,908.70	1 1/4	3,194.77	1 1/4	3,480.85	1 1/4	3,767.06	1 1/4	4,052.67	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,914.66	1 1/2	3,200.73	1 1/2	3,486.81	1 1/2	3,773.03	1 1/2	4,057.66	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,920.62	3/4	3,206.69	3/4	3,492.77	3/4	3,779.01	3/4	4,062.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,926.58	3	3,212.65	3	3,498.73	3	3,784.98	3	4,067.65	3	3	3	3	3	3	3	3	3	3
1 1/4	2,932.54	1 1/4	3,218.61	1 1/4	3,504.69	1 1/4	3,790.96	1 1/4	4,071.53	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,938.50	1 1/2	3,224.57	1 1/2	3,510.65	1 1/2	3,796.94	1 1/2	4,076.40	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,944.45	3/4	3,230.53	3/4	3,516.61	3/4	3,802.91	3/4	4,079.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,950.41	4	3,236.49	4	3,522.57	4	3,808.89	4	4,083.15	4	4	4	4	4	4	4	4	4	4
1 1/4	2,956.37	1 1/4	3,242.46	1 1/4	3,528.53	1 1/4	3,814.87	1 1/4	4,088.91	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,962.33	1 1/2	3,248.41	1 1/2	3,534.49	1 1/2	3,820.85	1 1/2	4,088.66	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,968.29	3/4	3,254.37	3/4	3,540.44	3/4	3,826.82	3/4	4,091.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,974.25	5	3,260.33	5	3,546.40	5	3,832.80	5	4,094.17	5	5	5	5	5	5	5	5	5	5
1 1/4	2,980.21	1 1/4	3,266.29	1 1/4	3,552.36	1 1/4	3,838.78	1 1/4	4,095.90	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,986.17	1 1/2	3,272.25	1 1/2	3,558.32	1 1/2	3,844.75	1 1/2	4,097.44	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,992.13	3/4	3,278.21	3/4	3,564.28	3/4	3,850.73	3/4	4,099.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,998.09	6	3,284.17	6	3,570.24	6	3,856.70	6	4,100.70	6	6	6	6	6	6	6	6	6	6
1 1/4	3,004.05	1 1/4	3,290.13	1 1/4	3,576.20	1 1/4	3,862.68	1 1/4	4,101.21	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,010.01	1 1/2	3,296.09	1 1/2	3,582.16	1 1/2	3,868.66	1 1/2	4,101.73	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,015.97	3/4	3,302.05	3/4	3,588.12	3/4	3,874.63	3/4	4,102.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,021.93	7	3,308.01	7	3,594.08	7	3,880.61	7	4,102.75	7	7	7	7	7	7	7	7	7	7
1 1/4	3,027.89	1 1/4	3,313.97	1 1/4	3,600.04	1 1/4	3,886.59	1 1/4	4,102.75	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,033.85	1 1/2	3,319.93	1 1/2	3,606.00	1 1/2	3,892.56	1 1/2	4,102.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,039.81	3/4	3,325.89	3/4	3,611.96	3/4	3,898.54	3/4	4,102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,045.77	8	3,331.85	8	3,617.92	8	3,904.51	8	4,102.75	8	8	8	8	8	8	8	8	8	8
1 1/4	3,051.73	1 1/4	3,337.81	1 1/4	3,623.88	1 1/4	3,910.49	1 1/4	4,102.75	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,057.69	1 1/2	3,343.77	1 1/2	3,629.84	1 1/2	3,916.47	1 1/2	4,102.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,063.65	3/4	3,349.73	3/4	3,635.80	3/4	3,922.44	3/4	4,102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,069.61	9	3,355.69	9	3,641.76	9	3,928.42	9	4,102.75	9	9	9	9	9	9	9	9	9	9
1 1/4	3,075.57	1 1/4	3,361.65	1 1/4	3,647.72	1 1/4	3,934.40	1 1/4	4,102.75	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,081.53	1 1/2	3,367.61	1 1/2	3,653.68	1 1/2	3,940.38	1 1/2	4,102.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,087.49	3/4	3,373.57	3/4	3,659.64	3/4	3,946.35	3/4	4,102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,093.45	10	3,379.53	10	3,665.60	10	3,952.33	10	4,102.75	10	10	10	10	10	10	10	10	10	10
1 1/4	3,099.41	1 1/4	3,385.49	1 1/4	3,671.56	1 1/4	3,958.31	1 1/4	4,102.75	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,105.37	1 1/2	3,391.45	1 1/2	3,677.52	1 1/2	3,964.28	1 1/2	4,102.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,111.33	3/4	3,397.41	3/4	3,683.48	3/4	3,970.26	3/4	4,102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,117.29	11	3,403.37	11	3,689.44	11	3,976.23	11	4,102.75	11	11	11	11	11	11	11	11	11	11
1 1/4	3,123.25	1 1/4	3,409.33	1 1/4	3,695.40	1 1/4	3,982.21	1 1/4	4,102.75	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,129.21	1 1/2	3,415.29	1 1/2	3,701.36	1 1/2	3,988.19	1 1/2	4,102.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3,135.17	3/4	3,421.25	3/4	3,707.32	3/4	3,994.16	3/4	4,102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "WEB 221-B"

2 STBD  
INNAGE TABLE

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

GAUGE HEIGHT 14'-09 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	9.36	0	283.33	0	567.74	0	853.68	0	1,139.26	0	1,426.31	0	1,711.36	0	1,997.41	0	2,283.47	0	2,669.52
1/4	13.19	1/4	289.27	1/4	673.70	1/4	859.63	1/4	1,146.22	1/4	1,432.77	1/4	1,719.32	1/4	2,005.87	1/4	2,292.43	1/4	2,678.98
1/2	17.03	1/2	295.21	1/2	679.66	1/2	865.58	1/2	1,151.18	1/2	1,437.23	1/2	1,723.28	1/2	2,009.33	1/2	2,295.39	1/2	2,681.44
3/4	20.86	3/4	301.15	3/4	686.62	3/4	871.52	3/4	1,157.14	3/4	1,443.19	3/4	1,729.24	3/4	2,015.29	3/4	2,301.34	3/4	2,687.39
1	24.70	1	307.09	1	691.58	1	877.47	1	1,163.10	1	1,449.15	1	1,735.20	1	2,021.25	1	2,307.30	1	2,693.35
1 1/4	30.23	1 1/4	313.03	1 1/4	697.54	1 1/4	883.42	1 1/4	1,169.06	1 1/4	1,455.11	1 1/4	1,741.16	1 1/4	2,027.21	1 1/4	2,313.26	1 1/4	2,699.31
1 1/2	36.76	1 1/2	318.98	1 1/2	693.50	1 1/2	889.37	1 1/2	1,175.02	1 1/2	1,461.07	1 1/2	1,747.12	1 1/2	2,033.17	1 1/2	2,319.22	1 1/2	2,695.27
2	46.81	2	324.92	2	699.46	2	895.32	2	1,180.98	2	1,467.03	2	1,753.08	2	2,039.13	2	2,325.18	2	2,691.23
2 1/4	52.59	2 1/4	330.86	2 1/4	616.42	2 1/4	801.27	2 1/4	1,186.94	2 1/4	1,472.99	2 1/4	1,759.04	2 1/4	2,045.09	2 1/4	2,331.14	2 1/4	2,617.19
2 1/2	58.37	2 1/2	336.80	2 1/2	621.38	2 1/2	807.22	2 1/2	1,192.90	2 1/2	1,478.95	2 1/2	1,765.00	2 1/2	2,051.05	2 1/2	2,337.10	2 1/2	2,623.15
3	64.16	3	342.74	3	627.34	3	813.17	3	1,198.86	3	1,484.91	3	1,770.96	3	2,057.01	3	2,343.06	3	2,629.11
3 1/4	69.93	3 1/4	348.68	3 1/4	633.30	3 1/4	819.11	3 1/4	1,204.81	3 1/4	1,490.86	3 1/4	1,776.92	3 1/4	2,062.97	3 1/4	2,349.02	3 1/4	2,635.07
3 1/2	75.78	3 1/2	354.62	3 1/2	639.26	3 1/2	825.06	3 1/2	1,210.77	3 1/2	1,496.82	3 1/2	1,782.88	3 1/2	2,068.93	3 1/2	2,354.98	3 1/2	2,641.03
4	81.64	4	360.56	4	646.22	4	831.01	4	1,216.73	4	1,502.78	4	1,788.84	4	2,074.89	4	2,360.94	4	2,646.99
4 1/4	87.49	4 1/4	366.50	4 1/4	651.18	4 1/4	836.96	4 1/4	1,222.69	4 1/4	1,508.74	4 1/4	1,794.80	4 1/4	2,080.85	4 1/4	2,366.90	4 1/4	2,652.95
4 1/2	93.34	4 1/2	372.44	4 1/2	657.13	4 1/2	842.90	4 1/2	1,228.65	4 1/2	1,514.70	4 1/2	1,800.76	4 1/2	2,086.80	4 1/2	2,372.86	4 1/2	2,658.91
5	99.27	5	378.38	5	663.09	5	848.85	5	1,234.61	5	1,520.66	5	1,806.71	5	2,092.76	5	2,378.82	5	2,664.87
5 1/4	105.20	5 1/4	384.29	5 1/4	669.05	5 1/4	854.80	5 1/4	1,240.67	5 1/4	1,526.62	5 1/4	1,812.67	5 1/4	2,098.72	5 1/4	2,384.78	5 1/4	2,670.83
5 1/2	111.13	5 1/2	390.20	5 1/2	675.01	5 1/2	860.75	5 1/2	1,246.63	5 1/2	1,532.68	5 1/2	1,818.63	5 1/2	2,104.68	5 1/2	2,390.74	5 1/2	2,676.79
6	117.06	6	396.10	6	680.97	6	866.69	6	1,252.49	6	1,538.64	6	1,824.59	6	2,110.64	6	2,396.69	6	2,682.74
6 1/4	122.99	6 1/4	402.01	6 1/4	686.93	6 1/4	872.64	6 1/4	1,258.45	6 1/4	1,544.60	6 1/4	1,830.55	6 1/4	2,116.60	6 1/4	2,402.65	6 1/4	2,688.70
6 1/2	128.92	6 1/2	407.91	6 1/2	692.89	6 1/2	878.59	6 1/2	1,264.41	6 1/2	1,550.46	6 1/2	1,836.51	6 1/2	2,122.56	6 1/2	2,408.61	6 1/2	2,694.66
7	134.86	7	413.81	7	698.85	7	884.54	7	1,270.37	7	1,556.42	7	1,842.47	7	2,128.52	7	2,414.57	7	2,700.62
7 1/4	140.78	7 1/4	419.70	7 1/4	704.81	7 1/4	890.49	7 1/4	1,276.33	7 1/4	1,562.38	7 1/4	1,848.43	7 1/4	2,134.48	7 1/4	2,420.53	7 1/4	2,706.58
7 1/2	146.71	7 1/2	425.60	7 1/2	710.77	7 1/2	896.44	7 1/2	1,282.29	7 1/2	1,568.34	7 1/2	1,854.39	7 1/2	2,140.44	7 1/2	2,426.49	7 1/2	2,712.54
8	152.65	8	431.50	8	716.73	8	902.39	8	1,288.25	8	1,574.30	8	1,860.35	8	2,146.40	8	2,432.45	8	2,718.50
8 1/4	158.58	8 1/4	437.39	8 1/4	722.69	8 1/4	908.34	8 1/4	1,294.21	8 1/4	1,580.26	8 1/4	1,866.31	8 1/4	2,152.36	8 1/4	2,438.41	8 1/4	2,724.46
8 1/2	164.51	8 1/2	443.29	8 1/2	728.65	8 1/2	914.28	8 1/2	1,300.16	8 1/2	1,586.22	8 1/2	1,872.27	8 1/2	2,158.32	8 1/2	2,444.37	8 1/2	2,730.42
9	170.45	9	449.18	9	734.61	9	920.23	9	1,306.12	9	1,592.18	9	1,878.23	9	2,164.28	9	2,450.33	9	2,736.38
9 1/4	176.38	9 1/4	455.08	9 1/4	740.57	9 1/4	926.18	9 1/4	1,312.08	9 1/4	1,598.14	9 1/4	1,884.19	9 1/4	2,170.24	9 1/4	2,456.29	9 1/4	2,742.34
9 1/2	182.32	9 1/2	460.98	9 1/2	746.53	9 1/2	932.13	9 1/2	1,318.04	9 1/2	1,604.10	9 1/2	1,890.15	9 1/2	2,176.20	9 1/2	2,462.25	9 1/2	2,748.30
10	188.26	10	466.87	10	752.48	10	938.08	10	1,324.00	10	1,610.06	10	1,896.10	10	2,182.16	10	2,468.21	10	2,754.26
10 1/4	194.20	10 1/4	472.77	10 1/4	758.44	10 1/4	944.02	10 1/4	1,329.96	10 1/4	1,616.01	10 1/4	1,902.06	10 1/4	2,188.12	10 1/4	2,474.17	10 1/4	2,760.22
10 1/2	200.14	10 1/2	478.67	10 1/2	764.40	10 1/2	950.07	10 1/2	1,335.92	10 1/2	1,621.97	10 1/2	1,908.02	10 1/2	2,194.08	10 1/2	2,480.13	10 1/2	2,766.18
11	206.09	11	484.56	11	770.35	11	956.02	11	1,341.88	11	1,627.93	11	1,913.98	11	2,200.04	11	2,486.09	11	2,772.14
11 1/4	212.03	11 1/4	490.46	11 1/4	776.31	11 1/4	961.97	11 1/4	1,347.84	11 1/4	1,633.89	11 1/4	1,919.94	11 1/4	2,205.99	11 1/4	2,492.04	11 1/4	2,778.10
11 1/2	217.97	11 1/2	496.35	11 1/2	782.26	11 1/2	967.92	11 1/2	1,353.80	11 1/2	1,639.85	11 1/2	1,925.90	11 1/2	2,211.95	11 1/2	2,498.00	11 1/2	2,784.06
12	223.92	12	502.28	12	788.22	12	973.87	12	1,359.77	12	1,645.81	12	1,931.86	12	2,217.91	12	2,503.96	12	2,790.02
12 1/4	229.86	12 1/4	508.21	12 1/4	794.18	12 1/4	979.82	12 1/4	1,365.72	12 1/4	1,651.77	12 1/4	1,937.82	12 1/4	2,223.87	12 1/4	2,509.92	12 1/4	2,795.98
12 1/2	235.80	12 1/2	514.13	12 1/2	800.13	12 1/2	985.78	12 1/2	1,371.68	12 1/2	1,657.73	12 1/2	1,943.78	12 1/2	2,229.83	12 1/2	2,515.88	12 1/2	2,801.93
13	241.74	13	520.06	13	806.09	13	991.61	13	1,377.64	13	1,663.69	13	1,949.74	13	2,235.79	13	2,521.84	13	2,807.89
13 1/4	247.69	13 1/4	526.02	13 1/4	812.04	13 1/4	997.56	13 1/4	1,383.60	13 1/4	1,669.65	13 1/4	1,955.70	13 1/4	2,241.75	13 1/4	2,527.80	13 1/4	2,813.85
13 1/2	253.63	13 1/2	531.98	13 1/2	817.99	13 1/2	1,003.52	13 1/2	1,389.56	13 1/2	1,675.61	13 1/2	1,961.66	13 1/2	2,247.71	13 1/2	2,533.76	13 1/2	2,819.81
14	259.57	14	537.94	14	823.94	14	1,009.47	14	1,395.51	14	1,681.57	14	1,967.62	14	2,253.67	14	2,539.72	14	2,825.77
14 1/4	265.51	14 1/4	543.90	14 1/4	829.89	14 1/4	1,015.42	14 1/4	1,401.47	14 1/4	1,687.53	14 1/4	1,973.58	14 1/4	2,259.63	14 1/4	2,545.68	14 1/4	2,831.73
14 1/2	271.46	14 1/2	549.86	14 1/2	835.84	14 1/2	1,021.38	14 1/2	1,407.43	14 1/2	1,693.49	14 1/2	1,979.54	14 1/2	2,265.59	14 1/2	2,551.64	14 1/2	2,837.69
15	277.39	15	555.82	15	841.79	15	1,027.34	15	1,413.39	15	1,699.45	15	1,985.50	15	2,271.55	15	2,557.60	15	2,843.65
15 1/4		15 1/4	561.78	15 1/4	847.73	15 1/4	1,033.30	15 1/4	1,419.35	15 1/4	1,705.40	15 1/4	1,991.45	15 1/4	2,277.51	15 1/4	2,563.56	15 1/4	2,849.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
GAUGE POINT: (10" GAUGE HATCH) LOCATED 11'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "WEB 221-B"

## 2 STBD INNAGE TABLE

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

GAUGE HEIGHT 14'-09 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	2,866.57	0	3,141.62	0	3,427.67	0	3,713.72	0	3,999.82	0	0	0	0	0	0	0	0	0	0
1/4	2,861.53	1/4	3,147.58	1/4	3,433.63	1/4	3,719.68	1/4	4,005.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,867.49	1/2	3,153.54	1/2	3,439.59	1/2	3,725.64	1/2	4,011.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,873.45	3/4	3,159.50	3/4	3,445.55	3/4	3,731.60	3/4	4,017.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,879.41	1	3,165.46	1	3,451.51	1	3,737.56	1	4,023.66	1	1	1	1	1	1	1	1	1	1
1/4	2,886.37	1/4	3,171.42	1/4	3,457.47	1/4	3,743.52	1/4	4,029.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,891.33	1/2	3,177.38	1/2	3,463.43	1/2	3,749.48	1/2	4,035.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,897.28	3/4	3,183.33	3/4	3,469.39	3/4	3,755.44	3/4	4,040.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,903.24	2	3,189.29	2	3,475.35	2	3,761.40	2	4,046.89	2	2	2	2	2	2	2	2	2	2
1/4	2,909.20	1/4	3,195.25	1/4	3,481.31	1/4	3,767.36	1/4	4,051.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,915.16	1/2	3,201.21	1/2	3,487.27	1/2	3,773.33	1/2	4,056.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,921.12	3/4	3,207.17	3/4	3,493.22	3/4	3,779.29	3/4	4,060.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,927.08	3	3,213.13	3	3,499.18	3	3,785.25	3	4,065.65	3	3	3	3	3	3	3	3	3	3
1/4	2,933.04	1/4	3,219.09	1/4	3,505.14	1/4	3,791.21	1/4	4,069.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,939.00	1/2	3,225.05	1/2	3,511.10	1/2	3,797.17	1/2	4,072.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,944.96	3/4	3,231.01	3/4	3,517.06	3/4	3,803.13	3/4	4,076.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,950.92	4	3,236.97	4	3,523.02	4	3,809.09	4	4,080.28	4	4	4	4	4	4	4	4	4	4
1/4	2,956.88	1/4	3,242.93	1/4	3,528.98	1/4	3,815.05	1/4	4,082.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,962.84	1/2	3,248.89	1/2	3,534.94	1/2	3,821.01	1/2	4,085.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,968.80	3/4	3,254.85	3/4	3,540.90	3/4	3,826.97	3/4	4,088.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,974.76	5	3,260.81	5	3,546.86	5	3,832.93	5	4,090.57	5	5	5	5	5	5	5	5	5	5
1/4	2,980.72	1/4	3,266.77	1/4	3,552.82	1/4	3,838.89	1/4	4,092.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,986.68	1/2	3,272.73	1/2	3,558.78	1/2	3,844.85	1/2	4,093.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,992.63	3/4	3,278.68	3/4	3,564.74	3/4	3,850.81	3/4	4,095.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,998.59	6	3,284.64	6	3,570.70	6	3,856.77	6	4,096.53	6	6	6	6	6	6	6	6	6	6
1/4	3,004.55	1/4	3,290.60	1/4	3,576.66	1/4	3,862.73	1/4	4,097.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,010.51	1/2	3,296.56	1/2	3,582.62	1/2	3,868.69	1/2	4,097.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,016.47	3/4	3,302.52	3/4	3,588.57	3/4	3,874.65	3/4	4,098.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,022.43	7	3,308.48	7	3,594.53	7	3,880.61	7	4,098.69	7	7	7	7	7	7	7	7	7	7
1/4	3,028.39	1/4	3,314.44	1/4	3,600.49	1/4	3,886.57	1/4	4,099.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,034.35	1/2	3,320.40	1/2	3,606.45	1/2	3,892.53	1/2	4,099.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,040.31	3/4	3,326.36	3/4	3,612.41	3/4	3,898.49	3/4	4,099.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,046.27	8	3,332.32	8	3,618.37	8	3,904.45	8	4,099.85	8	8	8	8	8	8	8	8	8	8
1/4	3,052.23	1/4	3,338.28	1/4	3,624.33	1/4	3,910.41	1/4	4,099.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,058.19	1/2	3,344.24	1/2	3,630.29	1/2	3,916.37	1/2	4,099.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,064.15	3/4	3,350.20	3/4	3,636.25	3/4	3,922.33	3/4	4,099.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,070.11	9	3,356.16	9	3,642.21	9	3,928.29	9	4,099.01	9	9	9	9	9	9	9	9	9	9
1/4	3,076.07	1/4	3,362.12	1/4	3,648.17	1/4	3,934.25	1/4	4,099.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,082.03	1/2	3,368.08	1/2	3,654.13	1/2	3,940.22	1/2	4,099.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,087.98	3/4	3,374.04	3/4	3,660.09	3/4	3,946.18	3/4	4,099.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,093.94	10	3,380.00	10	3,666.05	10	3,952.14	10	4,099.17	10	10	10	10	10	10	10	10	10	10
1/4	3,099.90	1/4	3,385.96	1/4	3,672.01	1/4	3,958.10	1/4	4,099.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,105.86	1/2	3,391.92	1/2	3,677.97	1/2	3,964.06	1/2	4,099.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,111.82	3/4	3,397.87	3/4	3,683.92	3/4	3,970.02	3/4	4,099.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,117.78	11	3,403.83	11	3,689.88	11	3,975.98	11	4,099.33	11	11	11	11	11	11	11	11	11	11
1/4	3,123.74	1/4	3,409.79	1/4	3,695.84	1/4	3,981.94	1/4	4,099.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,129.70	1/2	3,415.75	1/2	3,701.80	1/2	3,987.90	1/2	4,099.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,135.66	3/4	3,421.71	3/4	3,707.76	3/4	3,993.86	3/4	4,099.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "WEB 221-B"

## 3 PORT INNAGE TABLE

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

GAUGE HEIGHT 14'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	9.42	0	285.58	0	572.24	0	860.34	0	1,147.61	0	1,435.92	0	1,724.23	0	2,012.64	0	2,300.84	0	2,589.15
1/4	13.29	1/4	291.57	1/4	578.26	1/4	866.32	1/4	1,153.62	1/4	1,441.93	1/4	1,730.24	1/4	2,018.65	1/4	2,306.85	1/4	2,595.16
1/2	17.16	1/2	297.66	1/2	584.26	1/2	872.31	1/2	1,159.63	1/2	1,447.94	1/2	1,736.24	1/2	2,024.65	1/2	2,312.86	1/2	2,601.17
3/4	21.02	3/4	303.54	3/4	590.26	3/4	878.29	3/4	1,165.63	3/4	1,453.94	3/4	1,742.25	3/4	2,030.66	3/4	2,318.86	3/4	2,607.17
1	24.89	1	309.53	1	596.27	1	884.27	1	1,171.64	1	1,459.95	1	1,748.25	1	2,036.66	1	2,324.87	1	2,613.18
1/4	30.47	1/4	315.52	1/4	602.28	1/4	890.26	1/4	1,177.66	1/4	1,465.96	1/4	1,754.26	1/4	2,042.67	1/4	2,330.88	1/4	2,619.19
1/2	36.04	1/2	321.51	1/2	608.28	1/2	896.23	1/2	1,183.66	1/2	1,471.96	1/2	1,760.27	1/2	2,048.68	1/2	2,336.88	1/2	2,625.19
3/4	41.62	3/4	327.49	3/4	614.29	3/4	902.21	3/4	1,189.66	3/4	1,477.97	3/4	1,766.27	3/4	2,054.68	3/4	2,342.89	3/4	2,631.20
2	47.19	2	333.48	2	620.29	2	908.19	2	1,195.67	2	1,483.97	2	1,772.28	2	2,060.69	2	2,348.89	2	2,637.20
1/4	53.02	1/4	339.47	1/4	626.30	1/4	914.17	1/4	1,201.68	1/4	1,489.98	1/4	1,778.29	1/4	2,066.60	1/4	2,354.90	1/4	2,643.21
1/2	58.84	1/2	345.46	1/2	632.31	1/2	920.16	1/2	1,207.68	1/2	1,495.99	1/2	1,784.30	1/2	2,072.60	1/2	2,360.91	1/2	2,649.22
3/4	64.67	3/4	351.44	3/4	638.31	3/4	926.14	3/4	1,213.69	3/4	1,501.99	3/4	1,790.30	3/4	2,078.61	3/4	2,366.91	3/4	2,655.22
3	70.49	3	357.43	3	644.32	3	932.12	3	1,219.69	3	1,508.00	3	1,796.31	3	2,084.61	3	2,372.92	3	2,661.23
1/4	76.39	1/4	363.42	1/4	650.33	1/4	938.10	1/4	1,225.70	1/4	1,514.01	1/4	1,802.32	1/4	2,090.62	1/4	2,378.93	1/4	2,667.24
1/2	82.29	1/2	369.41	1/2	656.34	1/2	944.09	1/2	1,231.71	1/2	1,520.01	1/2	1,808.32	1/2	2,096.63	1/2	2,384.94	1/2	2,673.24
3/4	88.19	3/4	375.40	3/4	662.34	3/4	950.07	3/4	1,237.71	3/4	1,526.02	3/4	1,814.33	3/4	2,102.63	3/4	2,390.94	3/4	2,679.25
4	94.09	4	381.39	4	668.35	4	956.05	4	1,243.72	4	1,532.02	4	1,820.33	4	2,108.64	4	2,396.95	4	2,685.25
1/4	100.07	1/4	387.34	1/4	674.36	1/4	962.03	1/4	1,249.73	1/4	1,538.03	1/4	1,826.34	1/4	2,114.65	1/4	2,402.96	1/4	2,691.26
1/2	105.05	1/2	393.30	1/2	680.36	1/2	968.02	1/2	1,255.73	1/2	1,544.04	1/2	1,832.35	1/2	2,120.65	1/2	2,408.96	1/2	2,697.27
3/4	112.02	3/4	399.25	3/4	686.37	3/4	974.00	3/4	1,261.74	3/4	1,550.04	3/4	1,838.35	3/4	2,126.66	3/4	2,414.97	3/4	2,703.27
5	118.00	5	405.20	5	692.37	5	979.98	5	1,267.74	5	1,556.05	5	1,844.36	5	2,132.66	5	2,420.97	5	2,709.28
1/4	123.98	1/4	411.14	1/4	698.38	1/4	985.96	1/4	1,273.76	1/4	1,562.06	1/4	1,850.37	1/4	2,138.67	1/4	2,426.98	1/4	2,715.29
1/2	129.96	1/2	417.09	1/2	704.39	1/2	991.94	1/2	1,279.76	1/2	1,568.06	1/2	1,856.37	1/2	2,144.68	1/2	2,432.99	1/2	2,721.29
3/4	136.93	3/4	423.03	3/4	710.39	3/4	997.92	3/4	1,285.76	3/4	1,574.07	3/4	1,862.38	3/4	2,150.68	3/4	2,438.99	3/4	2,727.30
6	141.91	6	428.97	6	716.40	6	1,003.90	6	1,291.77	6	1,580.07	6	1,868.38	6	2,156.69	6	2,445.00	6	2,733.30
1/4	147.89	1/4	434.92	1/4	722.41	1/4	1,009.88	1/4	1,297.78	1/4	1,586.08	1/4	1,874.39	1/4	2,162.70	1/4	2,451.01	1/4	2,739.31
1/2	153.87	1/2	440.86	1/2	728.41	1/2	1,016.87	1/2	1,303.78	1/2	1,592.09	1/2	1,880.40	1/2	2,168.70	1/2	2,457.01	1/2	2,745.32
3/4	159.84	3/4	446.81	3/4	734.42	3/4	1,022.85	3/4	1,309.79	3/4	1,598.09	3/4	1,886.40	3/4	2,174.71	3/4	2,463.02	3/4	2,751.32
7	165.82	7	452.75	7	740.42	7	1,028.83	7	1,315.79	7	1,604.10	7	1,892.41	7	2,180.71	7	2,469.02	7	2,757.33
1/4	171.80	1/4	458.69	1/4	746.43	1/4	1,033.81	1/4	1,321.80	1/4	1,610.11	1/4	1,898.42	1/4	2,186.72	1/4	2,475.03	1/4	2,763.34
1/2	177.79	1/2	464.64	1/2	752.43	1/2	1,039.80	1/2	1,327.81	1/2	1,616.12	1/2	1,904.42	1/2	2,192.73	1/2	2,481.04	1/2	2,769.34
3/4	183.77	3/4	470.58	3/4	758.44	3/4	1,045.78	3/4	1,333.81	3/4	1,622.12	3/4	1,910.43	3/4	2,198.73	3/4	2,487.04	3/4	2,775.35
8	189.75	8	476.52	8	764.44	8	1,051.76	8	1,339.82	8	1,628.13	8	1,916.43	8	2,204.74	8	2,493.05	8	2,781.35
1/4	195.74	1/4	482.46	1/4	770.44	1/4	1,057.74	1/4	1,345.83	1/4	1,634.14	1/4	1,922.44	1/4	2,210.75	1/4	2,499.06	1/4	2,787.36
1/2	201.73	1/2	488.41	1/2	776.45	1/2	1,063.72	1/2	1,351.83	1/2	1,640.14	1/2	1,928.45	1/2	2,216.76	1/2	2,505.06	1/2	2,793.37
3/4	207.72	3/4	494.35	3/4	782.45	3/4	1,069.70	3/4	1,357.84	3/4	1,646.15	3/4	1,934.45	3/4	2,222.76	3/4	2,511.07	3/4	2,799.37
9	213.71	9	500.29	9	788.45	9	1,075.68	9	1,363.84	9	1,652.15	9	1,940.46	9	2,228.77	9	2,517.07	9	2,805.38
1/4	219.70	1/4	506.27	1/4	794.45	1/4	1,081.66	1/4	1,369.86	1/4	1,658.16	1/4	1,946.47	1/4	2,234.78	1/4	2,523.08	1/4	2,811.39
1/2	226.70	1/2	512.24	1/2	800.46	1/2	1,087.65	1/2	1,375.86	1/2	1,664.17	1/2	1,952.47	1/2	2,240.78	1/2	2,529.09	1/2	2,817.40
3/4	231.69	3/4	518.22	3/4	806.46	3/4	1,093.63	3/4	1,381.86	3/4	1,670.17	3/4	1,958.48	3/4	2,246.79	3/4	2,535.09	3/4	2,823.40
10	237.68	10	524.19	10	812.46	10	1,099.61	10	1,387.87	10	1,676.18	10	1,964.48	10	2,252.79	10	2,541.10	10	2,829.41
1/4	243.67	1/4	530.20	1/4	818.45	1/4	1,105.61	1/4	1,393.88	1/4	1,682.19	1/4	1,970.49	1/4	2,258.80	1/4	2,547.11	1/4	2,835.42
1/2	249.66	1/2	536.21	1/2	824.44	1/2	1,111.60	1/2	1,399.89	1/2	1,688.19	1/2	1,976.50	1/2	2,264.81	1/2	2,553.11	1/2	2,841.42
3/4	255.64	3/4	542.21	3/4	830.42	3/4	1,117.60	3/4	1,405.89	3/4	1,694.20	3/4	1,982.50	3/4	2,270.81	3/4	2,559.12	3/4	2,847.43
11	261.63	11	548.22	11	836.41	11	1,123.59	11	1,411.90	11	1,700.20	11	1,988.51	11	2,276.82	11	2,565.12	11	2,853.43
1/4	267.62	1/4	554.23	1/4	842.39	1/4	1,129.60	1/4	1,417.91	1/4	1,706.21	1/4	1,994.52	1/4	2,282.83	1/4	2,571.13	1/4	2,859.44
1/2	273.61	1/2	560.23	1/2	848.38	1/2	1,135.60	1/2	1,423.91	1/2	1,712.22	1/2	2,000.53	1/2	2,288.83	1/2	2,577.14	1/2	2,865.45
3/4	279.59	3/4	566.24	3/4	854.36	3/4	1,141.61	3/4	1,429.92	3/4	1,718.22	3/4	2,006.53	3/4	2,294.84	3/4	2,583.14	3/4	2,871.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
 GAUGE POINT: (10" GAUGE HATCH) LOCATED 11'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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





# BARGE "WEB 221-B"

## 3 PORT INNAGE TABLE

GAUGE HEIGHT 14'-09 1/2"

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

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	2,877.46	0	3,165.76	0	3,454.07	0	3,742.38	0	4,030.70	0	0	0	0	0	0	0	0	0	0
1/4	2,883.47	1/4	3,171.77	1/4	3,460.08	1/4	3,748.39	1/4	4,036.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,889.47	1/2	3,177.78	1/2	3,466.09	1/2	3,754.39	1/2	4,042.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,895.48	3/4	3,183.78	3/4	3,472.09	3/4	3,760.40	3/4	4,048.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,901.48	1	3,189.79	1	3,478.10	1	3,766.40	1	4,054.70	1	1	1	1	1	1	1	1	1	1
1/4	2,907.49	1/4	3,195.80	1/4	3,484.11	1/4	3,772.41	1/4	4,060.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,913.50	1/2	3,201.81	1/2	3,490.11	1/2	3,778.42	1/2	4,065.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,919.50	3/4	3,207.81	3/4	3,496.12	3/4	3,784.42	3/4	4,071.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,925.51	2	3,213.82	2	3,502.12	2	3,790.43	2	4,077.28	2	2	2	2	2	2	2	2	2	2
1/4	2,931.52	1/4	3,219.83	1/4	3,508.13	1/4	3,796.44	1/4	4,081.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,937.52	1/2	3,225.83	1/2	3,514.14	1/2	3,802.45	1/2	4,086.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,943.53	3/4	3,231.84	3/4	3,520.14	3/4	3,808.45	3/4	4,091.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,949.53	3	3,237.84	3	3,526.15	3	3,814.46	3	4,095.80	3	3	3	3	3	3	3	3	3	3
1/4	2,955.54	1/4	3,243.85	1/4	3,532.16	1/4	3,820.47	1/4	4,099.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,961.55	1/2	3,249.86	1/2	3,538.16	1/2	3,826.48	1/2	4,103.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,967.55	3/4	3,255.86	3/4	3,544.17	3/4	3,832.48	3/4	4,106.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,973.56	4	3,261.87	4	3,550.17	4	3,838.49	4	4,110.30	4	4	4	4	4	4	4	4	4	4
1/4	2,979.57	1/4	3,267.88	1/4	3,556.18	1/4	3,844.50	1/4	4,112.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,985.58	1/2	3,273.88	1/2	3,562.19	1/2	3,850.51	1/2	4,115.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,991.58	3/4	3,279.89	3/4	3,568.19	3/4	3,856.51	3/4	4,118.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,997.59	5	3,285.89	5	3,574.20	5	3,862.52	5	4,120.83	5	5	5	5	5	5	5	5	5	5
1/4	3,003.60	1/4	3,291.90	1/4	3,580.21	1/4	3,868.53	1/4	4,122.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,009.60	1/2	3,297.91	1/2	3,586.21	1/2	3,874.54	1/2	4,124.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,015.61	3/4	3,303.91	3/4	3,592.22	3/4	3,880.54	3/4	4,125.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,021.61	6	3,309.92	6	3,598.22	6	3,886.55	6	4,127.38	6	6	6	6	6	6	6	6	6	6
1/4	3,027.62	1/4	3,315.93	1/4	3,604.23	1/4	3,892.56	1/4	4,127.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,033.63	1/2	3,321.93	1/2	3,610.24	1/2	3,898.57	1/2	4,128.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,039.63	3/4	3,327.94	3/4	3,616.24	3/4	3,904.57	3/4	4,129.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,045.64	7	3,333.94	7	3,622.25	7	3,910.58	7	4,129.83	7	7	7	7	7	7	7	7	7	7
1/4	3,051.65	1/4	3,339.95	1/4	3,628.26	1/4	3,916.59	1/4	4,129.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,057.65	1/2	3,345.96	1/2	3,634.27	1/2	3,922.60	1/2	4,129.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,063.66	3/4	3,351.96	3/4	3,640.27	3/4	3,928.60	3/4	4,129.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,069.66	8	3,357.97	8	3,646.28	8	3,934.61	8	4,129.83	8	8	8	8	8	8	8	8	8	8
1/4	3,075.67	1/4	3,363.98	1/4	3,652.29	1/4	3,940.62	1/4	4,129.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,081.68	1/2	3,369.98	1/2	3,658.29	1/2	3,946.63	1/2	4,129.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,087.68	3/4	3,375.99	3/4	3,664.30	3/4	3,952.63	3/4	4,129.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,093.69	9	3,381.99	9	3,670.30	9	3,958.64	9	4,129.83	9	9	9	9	9	9	9	9	9	9
1/4	3,099.70	1/4	3,388.00	1/4	3,676.31	1/4	3,964.65	1/4	4,129.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,105.70	1/2	3,394.01	1/2	3,682.32	1/2	3,970.66	1/2	4,129.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,111.71	3/4	3,400.01	3/4	3,688.32	3/4	3,976.66	3/4	4,129.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,117.71	10	3,406.02	10	3,694.33	10	3,982.67	10	4,129.83	10	10	10	10	10	10	10	10	10	10
1/4	3,123.72	1/4	3,412.03	1/4	3,700.34	1/4	3,988.68	1/4	4,129.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,129.73	1/2	3,418.04	1/2	3,706.34	1/2	3,994.69	1/2	4,129.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,135.73	3/4	3,424.04	3/4	3,712.35	3/4	4,000.69	3/4	4,129.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,141.74	11	3,430.05	11	3,718.35	11	4,006.70	11	4,129.83	11	11	11	11	11	11	11	11	11	11
1/4	3,147.75	1/4	3,436.06	1/4	3,724.36	1/4	4,012.70	1/4	4,129.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,153.75	1/2	3,442.06	1/2	3,730.37	1/2	4,018.70	1/2	4,129.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,159.76	3/4	3,448.07	3/4	3,736.37	3/4	4,024.70	3/4	4,129.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT  
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# BARGE "WEB 221-B"

## 3 STBD INNAGE TABLE

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

GAUGE HEIGHT 14'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	9.33	0	282.75	0	566.51	0	851.64	0	1,136.40	0	1,421.64	0	1,706.87	0	1,992.11	0	2,277.34	0	2,562.58
1/4	13.17	1/4	288.68	1/4	572.45	1/4	857.57	1/4	1,142.34	1/4	1,427.68	1/4	1,712.81	1/4	1,998.05	1/4	2,283.28	1/4	2,568.52
1/2	17.00	1/2	294.62	1/2	578.40	1/2	863.50	1/2	1,148.29	1/2	1,433.63	1/2	1,718.76	1/2	2,004.00	1/2	2,289.23	1/2	2,574.47
3/4	20.84	3/4	300.55	3/4	584.34	3/4	869.43	3/4	1,154.23	3/4	1,439.47	3/4	1,724.70	3/4	2,009.94	3/4	2,295.17	3/4	2,580.41
1	24.67	1	306.48	1	590.28	1	875.36	1	1,160.17	1	1,445.41	1	1,730.64	1	2,015.88	1	2,301.11	1	2,586.35
1 1/4	30.20	1 1/4	312.42	1 1/4	596.22	1 1/4	881.29	1 1/4	1,166.11	1 1/4	1,451.35	1 1/4	1,736.58	1 1/4	2,021.82	1 1/4	2,307.05	1 1/4	2,592.29
1 1/2	35.72	1 1/2	318.37	1 1/2	602.17	1 1/2	887.23	1 1/2	1,172.06	1 1/2	1,457.30	1 1/2	1,742.53	1 1/2	2,027.77	1 1/2	2,313.00	1 1/2	2,598.24
3/4	41.25	3/4	324.31	3/4	608.11	3/4	893.16	3/4	1,178.00	3/4	1,463.24	3/4	1,748.47	3/4	2,033.71	3/4	2,318.94	3/4	2,604.18
2	46.77	2	330.25	2	614.05	2	899.09	2	1,183.94	2	1,469.18	2	1,754.41	2	2,039.65	2	2,324.88	2	2,610.12
2 1/4	52.55	2 1/4	336.19	2 1/4	619.99	2 1/4	905.02	2 1/4	1,189.88	2 1/4	1,475.12	2 1/4	1,760.35	2 1/4	2,045.59	2 1/4	2,330.82	2 1/4	2,616.06
1 1/2	58.32	1 1/2	342.14	1 1/2	626.94	1 1/2	910.95	1 1/2	1,195.83	1 1/2	1,481.07	1 1/2	1,766.30	1 1/2	2,051.54	1 1/2	2,336.77	1 1/2	2,622.01
3/4	64.10	3/4	348.08	3/4	631.88	3/4	916.88	3/4	1,201.77	3/4	1,487.01	3/4	1,772.24	3/4	2,057.48	3/4	2,342.71	3/4	2,627.95
3	69.87	3	354.02	3	637.82	3	922.81	3	1,207.71	3	1,492.95	3	1,778.18	3	2,063.42	3	2,348.65	3	2,633.89
3 1/4	75.72	3 1/4	359.96	3 1/4	643.76	3 1/4	928.74	3 1/4	1,213.65	3 1/4	1,498.89	3 1/4	1,784.12	3 1/4	2,069.36	3 1/4	2,354.59	3 1/4	2,639.83
1 1/2	81.56	1 1/2	365.91	1 1/2	649.71	1 1/2	934.68	1 1/2	1,219.60	1 1/2	1,504.84	1 1/2	1,790.07	1 1/2	2,075.31	1 1/2	2,360.54	1 1/2	2,645.78
3/4	87.41	3/4	371.85	3/4	655.65	3/4	940.61	3/4	1,225.54	3/4	1,510.78	3/4	1,796.01	3/4	2,081.25	3/4	2,366.48	3/4	2,651.72
4	93.25	4	377.79	4	661.59	4	946.54	4	1,231.48	4	1,516.72	4	1,801.95	4	2,087.19	4	2,372.42	4	2,657.66
4 1/4	99.17	4 1/4	383.68	4 1/4	667.53	4 1/4	952.47	4 1/4	1,237.42	4 1/4	1,522.66	4 1/4	1,807.89	4 1/4	2,093.13	4 1/4	2,378.36	4 1/4	2,663.60
1 1/2	105.09	1 1/2	389.58	1 1/2	673.48	1 1/2	958.40	1 1/2	1,243.37	1 1/2	1,528.61	1 1/2	1,813.84	1 1/2	2,099.08	1 1/2	2,384.31	1 1/2	2,669.55
3/4	111.00	3/4	395.47	3/4	679.42	3/4	964.33	3/4	1,249.31	3/4	1,534.55	3/4	1,819.78	3/4	2,105.02	3/4	2,390.25	3/4	2,675.49
5	116.92	5	401.36	5	685.36	5	970.26	5	1,255.25	5	1,540.49	5	1,825.72	5	2,110.96	5	2,396.19	5	2,681.43
5 1/4	122.84	5 1/4	407.23	5 1/4	691.30	5 1/4	976.19	5 1/4	1,261.19	5 1/4	1,546.43	5 1/4	1,831.66	5 1/4	2,116.90	5 1/4	2,402.13	5 1/4	2,687.37
1 1/2	128.75	1 1/2	413.11	1 1/2	697.25	1 1/2	982.13	1 1/2	1,267.14	1 1/2	1,552.38	1 1/2	1,837.61	1 1/2	2,122.85	1 1/2	2,408.08	1 1/2	2,693.32
3/4	134.67	3/4	418.98	3/4	703.19	3/4	988.06	3/4	1,273.08	3/4	1,558.32	3/4	1,843.55	3/4	2,128.79	3/4	2,414.02	3/4	2,699.26
6	140.58	6	424.85	6	709.13	6	993.99	6	1,279.02	6	1,564.28	6	1,849.49	6	2,134.73	6	2,419.96	6	2,705.20
6 1/4	146.50	6 1/4	430.73	6 1/4	715.07	6 1/4	999.92	6 1/4	1,284.96	6 1/4	1,570.20	6 1/4	1,855.43	6 1/4	2,140.67	6 1/4	2,425.90	6 1/4	2,711.14
1 1/2	152.41	1 1/2	436.60	1 1/2	721.01	1 1/2	1,005.85	1 1/2	1,290.91	1 1/2	1,576.15	1 1/2	1,861.38	1 1/2	2,146.62	1 1/2	2,431.85	1 1/2	2,717.09
3/4	158.33	3/4	442.48	3/4	726.95	3/4	1,011.78	3/4	1,296.85	3/4	1,582.09	3/4	1,867.32	3/4	2,152.56	3/4	2,437.79	3/4	2,723.03
7	164.24	7	448.35	7	732.89	7	1,017.71	7	1,302.79	7	1,588.03	7	1,873.26	7	2,158.50	7	2,443.73	7	2,728.97
7 1/4	170.16	7 1/4	454.22	7 1/4	738.83	7 1/4	1,023.64	7 1/4	1,308.73	7 1/4	1,593.97	7 1/4	1,879.20	7 1/4	2,164.44	7 1/4	2,449.67	7 1/4	2,734.91
1 1/2	176.09	1 1/2	460.10	1 1/2	744.77	1 1/2	1,029.58	1 1/2	1,314.68	1 1/2	1,599.92	1 1/2	1,885.15	1 1/2	2,170.39	1 1/2	2,455.62	1 1/2	2,740.86
3/4	182.01	3/4	465.97	3/4	750.71	3/4	1,035.51	3/4	1,320.62	3/4	1,605.86	3/4	1,891.09	3/4	2,176.33	3/4	2,461.56	3/4	2,746.80
8	187.93	8	471.84	8	756.65	8	1,041.44	8	1,326.56	8	1,611.80	8	1,897.03	8	2,182.27	8	2,467.50	8	2,752.74
8 1/4	193.86	8 1/4	477.72	8 1/4	762.59	8 1/4	1,047.37	8 1/4	1,332.50	8 1/4	1,617.74	8 1/4	1,902.97	8 1/4	2,188.21	8 1/4	2,473.44	8 1/4	2,758.68
1 1/2	199.79	1 1/2	483.59	1 1/2	768.53	1 1/2	1,053.30	1 1/2	1,338.46	1 1/2	1,623.69	1 1/2	1,908.92	1 1/2	2,194.16	1 1/2	2,479.39	1 1/2	2,764.63
3/4	205.71	3/4	489.47	3/4	774.47	3/4	1,059.23	3/4	1,344.39	3/4	1,629.63	3/4	1,914.86	3/4	2,200.10	3/4	2,485.33	3/4	2,770.57
9	211.64	9	495.34	9	780.41	9	1,065.16	9	1,350.33	9	1,635.57	9	1,920.80	9	2,206.04	9	2,491.27	9	2,776.51
9 1/4	217.67	9 1/4	501.25	9 1/4	786.35	9 1/4	1,071.09	9 1/4	1,356.27	9 1/4	1,641.51	9 1/4	1,926.74	9 1/4	2,211.98	9 1/4	2,497.21	9 1/4	2,782.45
1 1/2	223.49	1 1/2	507.16	1 1/2	792.30	1 1/2	1,077.03	1 1/2	1,362.22	1 1/2	1,647.46	1 1/2	1,932.69	1 1/2	2,217.93	1 1/2	2,503.16	1 1/2	2,788.40
3/4	229.42	3/4	513.06	3/4	798.24	3/4	1,082.96	3/4	1,368.16	3/4	1,653.40	3/4	1,938.63	3/4	2,223.87	3/4	2,509.10	3/4	2,794.34
10	235.34	10	518.97	10	804.18	10	1,088.89	10	1,374.10	10	1,659.34	10	1,944.57	10	2,229.81	10	2,515.04	10	2,800.28
10 1/4	241.27	10 1/4	524.91	10 1/4	810.11	10 1/4	1,094.83	10 1/4	1,380.04	10 1/4	1,665.28	10 1/4	1,950.51	10 1/4	2,235.75	10 1/4	2,520.98	10 1/4	2,806.22
1 1/2	247.20	1 1/2	530.86	1 1/2	816.05	1 1/2	1,100.76	1 1/2	1,385.99	1 1/2	1,671.22	1 1/2	1,956.46	1 1/2	2,241.70	1 1/2	2,526.93	1 1/2	2,812.17
3/4	253.12	3/4	536.80	3/4	821.98	3/4	1,106.70	3/4	1,391.93	3/4	1,677.16	3/4	1,962.40	3/4	2,247.64	3/4	2,532.87	3/4	2,818.11
11	259.05	11	542.74	11	827.91	11	1,112.63	11	1,397.87	11	1,683.10	11	1,968.34	11	2,253.58	11	2,538.81	11	2,824.05
11 1/4	264.98	11 1/4	548.68	11 1/4	833.84	11 1/4	1,118.57	11 1/4	1,403.81	11 1/4	1,689.04	11 1/4	1,974.28	11 1/4	2,259.52	11 1/4	2,544.75	11 1/4	2,829.99
1 1/2	270.90	1 1/2	554.63	1 1/2	839.78	1 1/2	1,124.52	1 1/2	1,409.76	1 1/2	1,694.99	1 1/2	1,980.23	1 1/2	2,265.46	1 1/2	2,550.70	1 1/2	2,835.94
3/4	276.83	3/4	560.57	3/4	845.71	3/4	1,130.46	3/4	1,415.70	3/4	1,700.93	3/4	1,986.17	3/4	2,271.40	3/4	2,556.64	3/4	2,841.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
 GAUGE POINT: (10" GAUGE HATCH) LOCATED 11'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "WEB 221-B"

## 3 STBD INNAGE TABLE

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

GAUGE HEIGHT 14'-09 1/2"

	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		IN	
0	2,847.82	0	3,133.06	0	3,418.29	0	3,703.52	0	3,988.80	0	4,274.03	0	4,559.26	0	4,844.49	0	5,129.72	0	5,414.95	0	5,700.18
1/4	2,853.76	1/4	3,138.99	1/4	3,424.23	1/4	3,709.46	1/4	3,994.75	1/4	4,280.04	1/4	4,565.33	1/4	4,850.62	1/4	5,135.91	1/4	5,421.20	1/4	5,706.49
1/2	2,869.70	1/2	3,144.94	1/2	3,430.18	1/2	3,715.41	1/2	4,000.69	1/2	4,285.98	1/2	4,571.27	1/2	4,856.56	1/2	5,141.85	1/2	5,427.14	1/2	5,712.43
3/4	2,865.64	3/4	3,150.88	3/4	3,436.12	3/4	3,721.35	3/4	4,006.64	3/4	4,292.03	3/4	4,577.32	3/4	4,862.61	3/4	5,147.90	3/4	5,433.19	3/4	5,718.48
1	2,871.58	1	3,156.82	1	3,442.06	1	3,727.29	1	4,012.58	1	4,298.01	1	4,583.30	1	4,868.59	1	5,154.18	1	5,439.47	1	5,724.86
1/4	2,877.52	1/4	3,162.76	1/4	3,448.00	1/4	3,733.23	1/4	4,018.15	1/4	4,303.58	1/4	4,588.87	1/4	4,874.16	1/4	5,159.67	1/4	5,444.96	1/4	5,730.45
1/2	2,883.47	1/2	3,168.71	1/2	3,453.94	1/2	3,739.18	1/2	4,023.73	1/2	4,309.17	1/2	4,594.46	1/2	4,879.75	1/2	5,165.26	1/2	5,450.55	1/2	5,736.04
3/4	2,889.41	3/4	3,174.65	3/4	3,459.88	3/4	3,745.12	3/4	4,029.30	3/4	4,314.61	3/4	4,600.10	3/4	4,885.39	3/4	5,170.85	3/4	5,455.80	3/4	5,741.53
2	2,895.35	2	3,180.59	2	3,465.82	2	3,751.05	2	4,034.87	2	4,320.06	2	4,605.85	2	4,891.04	2	5,176.44	2	5,461.39	2	5,747.18
1/4	2,901.29	1/4	3,186.53	1/4	3,471.76	1/4	3,757.01	1/4	4,039.45	1/4	4,325.60	1/4	4,611.58	1/4	4,902.77	1/4	5,182.03	1/4	5,467.18	1/4	5,752.86
1/2	2,907.24	1/2	3,192.48	1/2	3,477.71	1/2	3,762.95	1/2	4,044.03	1/2	4,331.75	1/2	4,617.82	1/2	4,908.91	1/2	5,187.67	1/2	5,472.83	1/2	5,758.51
3/4	2,913.18	3/4	3,198.42	3/4	3,483.65	3/4	3,768.90	3/4	4,048.61	3/4	4,337.90	3/4	4,623.91	3/4	4,914.99	3/4	5,193.27	3/4	5,478.47	3/4	5,764.15
3	2,919.12	3	3,204.36	3	3,489.59	3	3,774.84	3	4,053.19	3	4,344.04	3	4,629.95	3	4,920.94	3	5,198.82	3	5,484.02	3	5,769.80
1/4	2,925.06	1/4	3,210.30	1/4	3,495.53	1/4	3,780.78	1/4	4,056.78	1/4	4,349.23	1/4	4,635.99	1/4	4,926.98	1/4	5,204.38	1/4	5,489.87	1/4	5,775.48
1/2	2,931.01	1/2	3,216.25	1/2	3,501.48	1/2	3,786.73	1/2	4,060.37	1/2	4,355.37	1/2	4,641.98	1/2	4,932.93	1/2	5,210.03	1/2	5,495.82	1/2	5,781.06
3/4	2,936.95	3/4	3,222.19	3/4	3,507.42	3/4	3,792.67	3/4	4,063.96	3/4	4,360.91	3/4	4,648.09	3/4	4,939.06	3/4	5,215.68	3/4	5,501.76	3/4	5,786.70
4	2,942.89	4	3,228.13	4	3,513.36	4	3,798.61	4	4,067.55	4	4,366.05	4	4,654.18	4	4,945.21	4	5,221.23	4	5,507.71	4	5,792.34
1/4	2,948.83	1/4	3,234.07	1/4	3,519.30	1/4	3,804.56	1/4	4,070.15	1/4	4,371.29	1/4	4,660.31	1/4	4,951.34	1/4	5,226.89	1/4	5,513.65	1/4	5,798.00
1/2	2,954.78	1/2	3,240.02	1/2	3,525.26	1/2	3,810.50	1/2	4,072.75	1/2	4,377.43	1/2	4,666.44	1/2	4,956.90	1/2	5,232.46	1/2	5,519.50	1/2	5,803.62
3/4	2,960.72	3/4	3,245.96	3/4	3,531.19	3/4	3,816.45	3/4	4,075.35	3/4	4,383.57	3/4	4,672.57	3/4	4,962.97	3/4	5,238.02	3/4	5,525.45	3/4	5,809.24
5	2,966.66	5	3,251.90	5	3,537.13	5	3,822.39	5	4,077.95	5	4,389.70	5	4,678.69	5	4,968.56	5	5,243.59	5	5,531.39	5	5,814.86
1/4	2,972.60	1/4	3,257.84	1/4	3,543.07	1/4	3,828.33	1/4	4,079.56	1/4	4,395.82	1/4	4,684.80	1/4	4,974.03	1/4	5,249.15	1/4	5,537.34	1/4	5,820.48
1/2	2,978.55	1/2	3,263.79	1/2	3,549.02	1/2	3,834.28	1/2	4,081.17	1/2	4,402.94	1/2	4,690.92	1/2	4,980.09	1/2	5,254.71	1/2	5,543.28	1/2	5,826.10
3/4	2,984.49	3/4	3,269.73	3/4	3,554.96	3/4	3,840.22	3/4	4,082.78	3/4	4,410.06	3/4	4,696.01	3/4	4,985.16	3/4	5,260.27	3/4	5,549.17	3/4	5,831.74
6	2,990.43	6	3,275.67	6	3,560.90	6	3,846.16	6	4,084.39	6	4,416.21	6	4,701.04	6	4,990.73	6	5,265.82	6	5,555.12	6	5,837.28
1/4	2,996.37	1/4	3,281.61	1/4	3,566.84	1/4	3,852.10	1/4	4,085.01	1/4	4,422.35	1/4	4,706.17	1/4	4,996.29	1/4	5,271.39	1/4	5,560.97	1/4	5,842.82
1/2	3,002.32	1/2	3,287.56	1/2	3,572.79	1/2	3,858.05	1/2	4,086.63	1/2	4,428.49	1/2	4,712.29	1/2	5,001.82	1/2	5,276.94	1/2	5,566.86	1/2	5,848.46
3/4	3,008.26	3/4	3,293.50	3/4	3,578.73	3/4	3,863.99	3/4	4,088.24	3/4	4,434.63	3/4	4,717.40	3/4	5,007.95	3/4	5,282.50	3/4	5,572.71	3/4	5,854.00
7	3,014.20	7	3,299.44	7	3,584.67	7	3,869.93	7	4,086.86	7	4,440.77	7	4,723.57	7	5,013.50	7	5,288.05	7	5,578.22	7	5,859.58
1/4	3,020.14	1/4	3,305.38	1/4	3,590.61	1/4	3,875.88	1/4	4,088.88	1/4	4,446.91	1/4	4,729.70	1/4	5,019.03	1/4	5,293.60	1/4	5,583.83	1/4	5,865.10
1/2	3,026.09	1/2	3,311.33	1/2	3,596.56	1/2	3,881.82	1/2	4,091.17	1/2	4,453.05	1/2	4,735.89	1/2	5,024.16	1/2	5,299.15	1/2	5,589.94	1/2	5,870.78
3/4	3,032.03	3/4	3,317.27	3/4	3,602.50	3/4	3,887.77	3/4	4,092.78	3/4	4,459.19	3/4	4,741.00	3/4	5,029.27	3/4	5,304.64	3/4	5,595.83	3/4	5,876.62
8	3,037.97	8	3,323.21	8	3,608.44	8	3,893.71	8	4,094.39	8	4,465.30	8	4,746.21	8	5,034.36	8	5,310.19	8	5,601.72	8	5,882.56
1/4	3,043.91	1/4	3,329.15	1/4	3,614.38	1/4	3,899.65	1/4	4,096.41	1/4	4,471.42	1/4	4,751.32	1/4	5,039.47	1/4	5,315.74	1/4	5,607.27	1/4	5,888.40
1/2	3,049.86	1/2	3,335.10	1/2	3,620.33	1/2	3,905.60	1/2	4,098.02	1/2	4,477.54	1/2	4,756.44	1/2	5,044.59	1/2	5,320.81	1/2	5,612.80	1/2	5,894.04
3/4	3,055.80	3/4	3,341.04	3/4	3,626.27	3/4	3,911.54	3/4	4,099.63	3/4	4,483.66	3/4	4,761.56	3/4	5,049.70	3/4	5,326.36	3/4	5,618.29	3/4	5,899.68
9	3,061.74	9	3,346.98	9	3,632.21	9	3,917.48	9	4,101.24	9	4,489.77	9	4,767.67	9	5,054.81	9	5,331.89	9	5,623.86	9	5,905.32
1/4	3,067.68	1/4	3,352.92	1/4	3,638.15	1/4	3,923.43	1/4	4,103.26	1/4	4,495.89	1/4	4,772.79	1/4	5,059.94	1/4	5,337.46	1/4	5,629.35	1/4	5,910.96
1/2	3,073.63	1/2	3,358.87	1/2	3,644.10	1/2	3,929.37	1/2	4,105.28	1/2	4,502.01	1/2	4,778.91	1/2	5,065.07	1/2	5,343.02	1/2	5,634.84	1/2	5,916.50
3/4	3,079.57	3/4	3,364.81	3/4	3,650.04	3/4	3,935.32	3/4	4,107.30	3/4	4,508.13	3/4	4,784.03	3/4	5,070.12	3/4	5,348.58	3/4	5,640.33	3/4	5,922.04
10	3,085.51	10	3,370.75	10	3,655.98	10	3,941.26	10	4,109.32	10	4,514.25	10	4,789.16	10	5,075.21	10	5,354.15	10	5,645.88	10	5,927.60
1/4	3,091.45	1/4	3,376.69	1/4	3,661.92	1/4	3,947.20	1/4	4,111.34	1/4	4,520.37	1/4	4,794.29	1/4	5,080.28	1/4	5,359.70	1/4	5,651.41	1/4	5,933.14
1/2	3,097.40	1/2	3,382.64	1/2	3,667.87	1/2	3,953.15	1/2	4,113.36	1/2	4,526.49	1/2	4,800.41	1/2	5,085.37	1/2	5,365.24	1/2	5,656.92	1/2	5,938.78
3/4	3,103.34	3/4	3,388.58	3/4	3,673.81	3/4	3,959.09	3/4	4,115.38	3/4	4,532.61	3/4	4,806.53	3/4	5,090.45	3/4	5,370.76	3/4	5,662.45	3/4	5,944.32
11	3,109.28	11	3,394.52	11	3,679.75	11	3,965.03	11	4,117.40	11	4,538.73	11	4,811.66	11	5,095.54	11	5,376.00	11	5,668.00	11	5,949.86
1/4	3,115.22	1/4	3,400.46	1/4	3,685.69	1/4	3,970.97	1/4	4,119.42	1/4	4,544.85	1/4	4,817.78	1/4	5,100.62	1/4	5,381.54	1/4	5,673.53	1/4	5,955.40
1/2	3,121.17	1/2	3,406.41	1/2	3,691.64	1/2	3,976.92	1/2	4,121.44	1/2	4,551.07	1/2	4,823.90	1/2	5,105.70	1/2	5,387.07	1/2	5,679.02	1/2	5,960.94
3/4	3,127.11	3/4	3,412.35	3/4	3,697.58	3/4	3,982.86	3/4	4,123.46	3/4	4,557.19	3/4	4,830.02	3/4	5,110.77	3/4	5,392.60	3/4	5,684.51	3/4	5,966.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

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



# BARGE "WEB 221-B"

## 4 CENTER INNAGE TABLE

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

GAUGE HEIGHT 16'-01 3/8"

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	0.87	0	467.74	0	993.40	0	1,520.77	0	2,047.41	0	2,674.85	0	3,102.29	0	3,629.72	0	4,157.16	0	4,669.30
1/4	3.62	1/4	478.70	1/4	1,004.39	1/4	1,531.74	1/4	2,058.40	1/4	2,585.84	1/4	3,113.28	1/4	3,640.71	1/4	4,168.15	1/4	4,678.97
1/2	6.36	1/2	489.66	1/2	1,015.38	1/2	1,542.71	1/2	2,069.39	1/2	2,596.83	1/2	3,124.27	1/2	3,651.70	1/2	4,179.14	1/2	4,688.64
3/4	9.11	3/4	500.61	3/4	1,026.36	3/4	1,553.68	3/4	2,080.37	3/4	2,607.81	3/4	3,135.25	3/4	3,662.69	3/4	4,190.13	3/4	4,698.30
1	11.86	1	511.57	1	1,037.35	1	1,564.65	1	2,091.36	1	2,618.80	1	3,146.24	1	3,673.68	1	4,201.12	1	4,707.97
1/4	18.10	1/4	522.54	1/4	1,048.34	1/4	1,575.62	1/4	2,102.35	1/4	2,629.79	1/4	3,157.23	1/4	3,684.67	1/4	4,212.11	1/4	4,717.44
1/2	24.36	1/2	533.50	1/2	1,059.33	1/2	1,586.60	1/2	2,113.34	1/2	2,640.78	1/2	3,168.22	1/2	3,695.66	1/2	4,223.10	1/2	4,726.91
3/4	30.61	3/4	544.47	3/4	1,070.32	3/4	1,597.57	3/4	2,124.32	3/4	2,651.77	3/4	3,179.20	3/4	3,706.64	3/4	4,234.08	3/4	4,736.38
2	36.86	2	555.43	2	1,081.31	2	1,608.54	2	2,135.31	2	2,662.76	2	3,190.19	2	3,717.63	2	4,245.07	2	4,745.85
1/4	46.51	1/4	566.42	1/4	1,092.30	1/4	1,619.51	1/4	2,146.30	1/4	2,673.75	1/4	3,201.18	1/4	3,728.62	1/4	4,256.06	1/4	4,755.27
1/2	56.16	1/2	577.41	1/2	1,103.29	1/2	1,630.48	1/2	2,157.29	1/2	2,684.74	1/2	3,212.17	1/2	3,739.61	1/2	4,267.05	1/2	4,764.70
3/4	65.81	3/4	588.40	3/4	1,114.27	3/4	1,641.46	3/4	2,168.28	3/4	2,695.72	3/4	3,223.15	3/4	3,750.59	3/4	4,278.03	3/4	4,774.12
3	75.46	3	599.39	3	1,126.26	3	1,652.42	3	2,179.27	3	2,706.71	3	3,234.14	3	3,761.58	3	4,289.02	3	4,783.54
1/4	86.14	1/4	610.38	1/4	1,136.25	1/4	1,663.39	1/4	2,190.26	1/4	2,717.70	1/4	3,245.13	1/4	3,772.57	1/4	4,300.01	1/4	4,792.96
1/2	96.83	1/2	621.37	1/2	1,147.24	1/2	1,674.37	1/2	2,201.25	1/2	2,728.69	1/2	3,256.12	1/2	3,783.56	1/2	4,311.00	1/2	4,802.38
3/4	107.51	3/4	632.35	3/4	1,158.23	3/4	1,685.34	3/4	2,212.23	3/4	2,739.67	3/4	3,267.11	3/4	3,794.55	3/4	4,321.98	3/4	4,811.80
4	118.19	4	643.34	4	1,169.22	4	1,696.31	4	2,223.22	4	2,750.66	4	3,278.10	4	3,805.54	4	4,332.97	4	4,821.22
1/4	128.94	1/4	654.33	1/4	1,180.21	1/4	1,707.28	1/4	2,234.21	1/4	2,761.65	1/4	3,289.09	1/4	3,816.53	1/4	4,343.96	1/4	4,830.64
1/2	139.68	1/2	665.32	1/2	1,191.20	1/2	1,718.26	1/2	2,245.20	1/2	2,772.64	1/2	3,300.08	1/2	3,827.52	1/2	4,354.95	1/2	4,840.07
3/4	150.43	3/4	676.31	3/4	1,202.18	3/4	1,729.23	3/4	2,256.18	3/4	2,783.62	3/4	3,311.06	3/4	3,838.50	3/4	4,365.94	3/4	4,849.49
5	161.17	5	687.30	5	1,213.17	5	1,740.20	5	2,267.17	5	2,794.61	5	3,322.05	5	3,849.49	5	4,376.93	5	4,858.91
1/4	172.11	1/4	698.25	1/4	1,224.16	1/4	1,751.17	1/4	2,278.16	1/4	2,805.60	1/4	3,333.04	1/4	3,860.48	1/4	4,387.91	1/4	4,868.33
1/2	183.05	1/2	709.20	1/2	1,235.15	1/2	1,762.14	1/2	2,289.15	1/2	2,816.59	1/2	3,344.03	1/2	3,871.47	1/2	4,398.90	1/2	4,877.76
3/4	193.99	3/4	720.15	3/4	1,246.14	3/4	1,773.11	3/4	2,300.14	3/4	2,827.58	3/4	3,355.01	3/4	3,882.45	3/4	4,409.88	3/4	4,887.18
6	204.93	6	731.10	6	1,257.13	6	1,784.08	6	2,311.13	6	2,838.57	6	3,366.00	6	3,893.44	6	4,420.86	6	4,896.60
1/4	215.87	1/4	742.02	1/4	1,268.12	1/4	1,795.05	1/4	2,322.12	1/4	2,849.56	1/4	3,376.99	1/4	3,904.43	1/4	4,431.70	1/4	4,906.02
1/2	226.81	1/2	752.93	1/2	1,279.11	1/2	1,806.03	1/2	2,333.11	1/2	2,860.55	1/2	3,387.98	1/2	3,915.42	1/2	4,442.64	1/2	4,915.44
3/4	237.75	3/4	763.85	3/4	1,290.09	3/4	1,817.00	3/4	2,344.09	3/4	2,871.53	3/4	3,398.97	3/4	3,926.41	3/4	4,453.38	3/4	4,924.86
7	248.69	7	774.76	7	1,301.08	7	1,827.97	7	2,355.08	7	2,882.52	7	3,409.96	7	3,937.40	7	4,464.22	7	4,934.28
1/4	259.63	1/4	785.67	1/4	1,312.07	1/4	1,838.94	1/4	2,366.07	1/4	2,893.51	1/4	3,420.95	1/4	3,948.39	1/4	4,474.87	1/4	4,943.70
1/2	270.57	1/2	796.59	1/2	1,323.06	1/2	1,849.91	1/2	2,377.06	1/2	2,904.50	1/2	3,431.94	1/2	3,959.38	1/2	4,485.51	1/2	4,953.13
3/4	281.51	3/4	807.50	3/4	1,334.04	3/4	1,860.88	3/4	2,388.04	3/4	2,915.48	3/4	3,442.92	3/4	3,970.36	3/4	4,496.16	3/4	4,962.56
8	292.45	8	818.41	8	1,345.03	8	1,871.85	8	2,399.03	8	2,926.47	8	3,453.91	8	3,981.35	8	4,506.80	8	4,971.97
1/4	303.40	1/4	829.32	1/4	1,356.01	1/4	1,882.82	1/4	2,410.02	1/4	2,937.46	1/4	3,464.90	1/4	3,992.34	1/4	4,517.23	1/4	4,981.39
1/2	314.34	1/2	840.24	1/2	1,367.00	1/2	1,893.80	1/2	2,421.01	1/2	2,948.45	1/2	3,475.89	1/2	4,003.33	1/2	4,527.65	1/2	4,990.81
3/4	325.29	3/4	851.15	3/4	1,377.98	3/4	1,904.77	3/4	2,432.00	3/4	2,959.44	3/4	3,486.87	3/4	4,014.31	3/4	4,538.08	3/4	5,000.23
9	336.23	9	862.06	9	1,388.96	9	1,915.74	9	2,442.99	9	2,970.43	9	3,497.86	9	4,025.30	9	4,548.50	9	5,009.65
1/4	347.19	1/4	872.97	1/4	1,399.94	1/4	1,926.71	1/4	2,453.98	1/4	2,981.42	1/4	3,508.85	1/4	4,036.29	1/4	4,558.78	1/4	5,019.07
1/2	358.15	1/2	883.89	1/2	1,410.93	1/2	1,937.68	1/2	2,464.97	1/2	2,992.41	1/2	3,519.84	1/2	4,047.28	1/2	4,569.06	1/2	5,028.50
3/4	369.11	3/4	894.80	3/4	1,421.91	3/4	1,948.65	3/4	2,475.95	3/4	3,003.39	3/4	3,530.83	3/4	4,058.27	3/4	4,579.34	3/4	5,037.92
10	380.07	10	905.71	10	1,432.89	10	1,959.62	10	2,486.94	10	3,014.38	10	3,541.82	10	4,069.26	10	4,589.62	10	5,047.34
1/4	391.03	1/4	916.64	1/4	1,443.88	1/4	1,970.59	1/4	2,497.93	1/4	3,025.37	1/4	3,552.81	1/4	4,080.25	1/4	4,599.68	1/4	5,056.76
1/2	401.99	1/2	927.58	1/2	1,454.87	1/2	1,981.57	1/2	2,508.92	1/2	3,036.36	1/2	3,563.80	1/2	4,091.24	1/2	4,609.74	1/2	5,066.19
3/4	412.95	3/4	938.51	3/4	1,465.86	3/4	1,992.54	3/4	2,519.90	3/4	3,047.34	3/4	3,574.78	3/4	4,102.22	3/4	4,619.79	3/4	5,075.61
11	423.91	11	949.44	11	1,476.85	11	2,003.51	11	2,530.89	11	3,058.33	11	3,585.77	11	4,113.21	11	4,629.85	11	5,085.03
1/4	434.87	1/4	960.43	1/4	1,487.83	1/4	2,014.49	1/4	2,541.88	1/4	3,069.32	1/4	3,596.76	1/4	4,124.20	1/4	4,639.71	1/4	5,094.45
1/2	445.83	1/2	971.42	1/2	1,498.81	1/2	2,025.46	1/2	2,552.87	1/2	3,080.31	1/2	3,607.75	1/2	4,135.19	1/2	4,649.58	1/2	5,103.87
3/4	456.78	3/4	982.41	3/4	1,509.79	3/4	2,036.44	3/4	2,563.86	3/4	3,091.30	3/4	3,618.73	3/4	4,146.17	3/4	4,659.44	3/4	5,113.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE SCALED FROM THE BOTTOM STRIKE PLATE BELOW THE GAUGE HATCH TO TOP OF TANK AT CENTERLINE  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT THE 10" GAUGE HATCH  
 GAUGE POINT: (10" GAUGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "WEB 221-B"

## 4 CENTER INNAGE TABLE

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

GAUGE HEIGHT 15'-01 3/8"

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	5,122.71	0	5,578.52	0	5,793.47	0	6,938.49	0	6,083.60	0		0		0		0		0	
1/4	5,132.13	1/4	5,588.63	1/4	5,796.49	1/4	6,941.51	1/4	6,086.62	1/4		1/4		1/4		1/4		1/4	
1/2	5,141.56	1/2	5,598.74	1/2	5,799.51	1/2	6,944.54	1/2	6,089.65	1/2		1/2		1/2		1/2		1/2	
3/4	5,150.98	3/4	5,608.85	3/4	5,802.53	3/4	6,947.56	3/4	6,092.67	3/4		3/4		3/4		3/4		3/4	
1	5,160.40	1	5,618.96	1	5,805.55	1	6,950.58	1	6,095.69	1		1		1		1		1	
1/4	5,169.82	1/4	5,629.27	1/4	5,808.57	1/4	6,953.60	1/4	6,098.71	1/4		1/4		1/4		1/4		1/4	
1/2	5,178.25	1/2	5,639.57	1/2	5,811.60	1/2	6,956.63	1/2	6,101.74	1/2		1/2		1/2		1/2		1/2	
3/4	5,188.67	3/4	5,649.88	3/4	5,814.62	3/4	6,959.65	3/4	6,104.76	3/4		3/4		3/4		3/4		3/4	
2	5,198.09	2	5,660.18	2	5,817.64	2	6,962.67	2	6,107.78	2		2		2		2		2	
1/4	5,207.51	1/4	5,666.70	1/4	5,820.66	1/4	6,965.69	1/4	6,110.69	1/4		1/4		1/4		1/4		1/4	
1/2	5,216.93	1/2	5,673.21	1/2	5,823.68	1/2	6,968.72	1/2	6,113.60	1/2		1/2		1/2		1/2		1/2	
3/4	5,226.35	3/4	5,679.73	3/4	5,826.70	3/4	6,971.74	3/4	6,116.61	3/4		3/4		3/4		3/4		3/4	
3	5,235.77	3	5,686.24	3	5,829.72	3	6,974.76	3	6,119.42	3		3		3		3		3	
1/4	5,245.19	1/4	5,688.97	1/4	5,832.74	1/4	6,977.78	1/4	6,121.76	1/4		1/4		1/4		1/4		1/4	
1/2	5,254.62	1/2	5,691.70	1/2	5,835.77	1/2	6,980.81	1/2	6,124.11	1/2		1/2		1/2		1/2		1/2	
3/4	5,264.04	3/4	5,694.42	3/4	5,838.79	3/4	6,983.83	3/4	6,126.45	3/4		3/4		3/4		3/4		3/4	
4	5,273.46	4	5,697.15	4	5,841.81	4	6,986.85	4	6,128.79	4		4		4		4		4	
1/4	5,282.88	1/4	5,700.08	1/4	5,844.83	1/4	6,989.88	1/4	6,130.53	1/4		1/4		1/4		1/4		1/4	
1/2	5,292.31	1/2	5,703.01	1/2	5,847.85	1/2	6,992.90	1/2	6,132.27	1/2		1/2		1/2		1/2		1/2	
3/4	5,301.73	3/4	5,705.94	3/4	5,850.87	3/4	6,995.93	3/4	6,134.00	3/4		3/4		3/4		3/4		3/4	
5	5,311.15	5	5,708.87	5	5,853.89	5	6,998.95	5	6,135.74	5		5		5		5		5	
1/4	5,320.57	1/4	5,711.89	1/4	5,856.91	1/4	6,001.97	1/4	6,136.87	1/4		1/4		1/4		1/4		1/4	
1/2	5,329.99	1/2	5,714.92	1/2	5,859.94	1/2	6,005.00	1/2	6,138.01	1/2		1/2		1/2		1/2		1/2	
3/4	5,339.41	3/4	5,717.94	3/4	5,862.96	3/4	6,008.02	3/4	6,139.14	3/4		3/4		3/4		3/4		3/4	
6	5,348.83	6	5,720.96	6	5,865.98	6	6,011.04	6	6,140.27	6		6		6		6		6	
1/4	5,358.25	1/4	5,723.98	1/4	5,869.00	1/4	6,014.06	1/4	6,140.80	1/4		1/4		1/4		1/4		1/4	
1/2	5,367.68	1/2	5,727.00	1/2	5,872.03	1/2	6,017.09	1/2	6,141.33	1/2		1/2		1/2		1/2		1/2	
3/4	5,377.10	3/4	5,730.02	3/4	5,875.05	3/4	6,020.11	3/4	6,141.85	3/4		3/4		3/4		3/4		3/4	
7	5,386.52	7	5,733.04	7	5,878.07	7	6,023.13	7	6,142.38	7		7		7		7		7	
1/4	5,395.95	1/4	5,736.06	1/4	5,881.09	1/4	6,026.15	1/4	6,142.53	1/4		1/4		1/4		1/4		1/4	
1/2	5,405.37	1/2	5,739.09	1/2	5,884.11	1/2	6,029.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5,414.80	3/4	5,742.11	3/4	5,887.13	3/4	6,032.20	3/4		3/4		3/4		3/4		3/4		3/4	
8	5,424.22	8	5,745.13	8	5,890.15	8	6,035.22	8		8		8		8		8		8	
1/4	5,433.64	1/4	5,748.15	1/4	5,893.17	1/4	6,038.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5,443.07	1/2	5,751.17	1/2	5,896.20	1/2	6,041.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5,452.49	3/4	5,754.19	3/4	5,899.22	3/4	6,044.30	3/4		3/4		3/4		3/4		3/4		3/4	
9	5,461.91	9	5,757.21	9	5,902.24	9	6,047.32	9		9		9		9		9		9	
1/4	5,471.33	1/4	5,760.23	1/4	5,905.26	1/4	6,050.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5,480.76	1/2	5,763.26	1/2	5,908.28	1/2	6,053.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5,490.18	3/4	5,766.28	3/4	5,911.30	3/4	6,056.39	3/4		3/4		3/4		3/4		3/4		3/4	
10	5,500.00	10	5,769.30	10	5,914.32	10	6,059.41	10		10		10		10		10		10	
1/4	5,509.42	1/4	5,772.32	1/4	5,917.34	1/4	6,062.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5,519.44	1/2	5,775.34	1/2	5,920.37	1/2	6,065.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5,529.15	3/4	5,778.36	3/4	5,923.39	3/4	6,068.48	3/4		3/4		3/4		3/4		3/4		3/4	
11	5,538.87	11	5,781.38	11	5,926.41	11	6,071.50	11		11		11		11		11		11	
1/4	5,548.78	1/4	5,784.40	1/4	5,929.43	1/4	6,074.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5,558.70	1/2	5,787.43	1/2	5,932.45	1/2	6,077.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5,568.61	3/4	5,790.45	3/4	5,935.47	3/4	6,080.58	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/1998 ITS  
DECK MEASUREMENTS: 02/24/2009 CL  
REPRINTED: 02/27/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT  
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