



# BARGE "NGL 3002"

INNAGE (HERMETIC)

	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 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8
3 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8

(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 - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

February 17, 2017

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "NGL 3002"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	22.05	0	363.40	0	726.17	0	1,089.90	0	1,451.69	0	1,814.50	0	2,177.31	0	2,540.12	0	2,902.93	0	3,265.62
1/4	26.38	1/4	370.96	1/4	733.73	1/4	1,096.46	1/4	1,459.24	1/4	1,822.06	1/4	2,184.87	1/4	2,547.68	1/4	2,910.48	1/4	3,273.17
1/2	30.71	1/2	378.52	1/2	741.29	1/2	1,104.01	1/2	1,466.80	1/2	1,829.62	1/2	2,192.43	1/2	2,555.24	1/2	2,918.04	1/2	3,280.73
3/4	35.05	3/4	386.08	3/4	748.85	3/4	1,111.57	3/4	1,474.35	3/4	1,837.18	3/4	2,199.99	3/4	2,562.80	3/4	2,925.59	3/4	3,288.28
1	39.38	1	393.64	1	756.40	1	1,119.12	1	1,481.90	1	1,844.74	1	2,207.55	1	2,570.36	1	2,933.14	1	3,295.83
1/4	44.96	1/4	401.20	1/4	763.96	1/4	1,126.67	1/4	1,489.46	1/4	1,852.29	1/4	2,215.10	1/4	2,577.92	1/4	2,940.70	1/4	3,303.39
1/2	50.55	1/2	408.75	1/2	771.52	1/2	1,134.23	1/2	1,497.02	1/2	1,859.85	1/2	2,222.65	1/2	2,585.48	1/2	2,948.26	1/2	3,310.95
3/4	56.13	3/4	416.30	3/4	779.08	3/4	1,141.78	3/4	1,504.58	3/4	1,867.40	3/4	2,230.21	3/4	2,593.04	3/4	2,955.82	3/4	3,318.51
2	61.71	2	423.86	2	786.64	2	1,149.33	2	1,512.14	2	1,874.95	2	2,237.76	2	2,600.59	2	2,963.38	2	3,326.07
1/4	68.57	1/4	431.42	1/4	794.20	1/4	1,156.89	1/4	1,519.70	1/4	1,882.51	1/4	2,245.32	1/4	2,608.15	1/4	2,970.93	1/4	3,333.63
1/2	75.42	1/2	438.98	1/2	801.76	1/2	1,164.45	1/2	1,527.26	1/2	1,890.07	1/2	2,252.88	1/2	2,615.70	1/2	2,978.49	1/2	3,341.18
3/4	82.27	3/4	446.54	3/4	809.32	3/4	1,172.01	3/4	1,534.82	3/4	1,897.63	3/4	2,260.44	3/4	2,623.26	3/4	2,986.04	3/4	3,348.73
3	89.12	3	454.10	3	816.88	3	1,179.57	3	1,542.38	3	1,905.19	3	2,268.00	3	2,630.81	3	2,993.60	3	3,356.29
1/4	97.23	1/4	461.65	1/4	824.43	1/4	1,187.13	1/4	1,549.94	1/4	1,912.75	1/4	2,275.56	1/4	2,638.37	1/4	3,001.15	1/4	3,363.84
1/2	105.33	1/2	469.21	1/2	831.99	1/2	1,194.69	1/2	1,557.50	1/2	1,920.31	1/2	2,283.12	1/2	2,645.93	1/2	3,008.71	1/2	3,371.39
3/4	113.44	3/4	476.77	3/4	839.54	3/4	1,202.25	3/4	1,565.06	3/4	1,927.87	3/4	2,290.68	3/4	2,653.49	3/4	3,016.27	3/4	3,378.95
4	121.55	4	484.33	4	847.10	4	1,209.81	4	1,572.62	4	1,935.43	4	2,298.24	4	2,661.05	4	3,023.83	4	3,386.50
1/4	129.11	1/4	491.89	1/4	854.65	1/4	1,217.37	1/4	1,580.18	1/4	1,942.99	1/4	2,305.80	1/4	2,668.61	1/4	3,031.39	1/4	3,394.06
1/2	136.67	1/2	499.44	1/2	862.21	1/2	1,224.93	1/2	1,587.74	1/2	1,950.55	1/2	2,313.36	1/2	2,676.17	1/2	3,038.94	1/2	3,401.62
3/4	144.23	3/4	506.99	3/4	869.77	3/4	1,232.49	3/4	1,595.30	3/4	1,958.11	3/4	2,320.92	3/4	2,683.73	3/4	3,046.49	3/4	3,409.18
5	151.79	5	514.55	5	877.33	5	1,240.05	5	1,602.86	5	1,965.67	5	2,328.48	5	2,691.29	5	3,054.05	5	3,416.74
1/4	159.35	1/4	522.11	1/4	884.89	1/4	1,247.61	1/4	1,610.42	1/4	1,973.23	1/4	2,336.04	1/4	2,698.85	1/4	3,061.60	1/4	3,424.29
1/2	166.90	1/2	529.67	1/2	892.44	1/2	1,255.17	1/2	1,617.98	1/2	1,980.79	1/2	2,343.60	1/2	2,706.40	1/2	3,069.15	1/2	3,431.85
3/4	174.46	3/4	537.23	3/4	899.99	3/4	1,262.73	3/4	1,625.54	3/4	1,988.34	3/4	2,351.15	3/4	2,713.96	3/4	3,076.71	3/4	3,439.40
6	182.02	6	544.79	6	907.55	6	1,270.29	6	1,633.09	6	1,995.90	6	2,358.71	6	2,721.52	6	3,084.26	6	3,446.95
1/4	189.58	1/4	552.35	1/4	915.11	1/4	1,277.84	1/4	1,640.65	1/4	2,003.46	1/4	2,366.27	1/4	2,729.08	1/4	3,091.82	1/4	3,454.51
1/2	197.13	1/2	559.90	1/2	922.67	1/2	1,285.39	1/2	1,648.21	1/2	2,011.02	1/2	2,373.83	1/2	2,736.64	1/2	3,099.38	1/2	3,462.07
3/4	204.68	3/4	567.46	3/4	930.23	3/4	1,292.95	3/4	1,655.77	3/4	2,018.58	3/4	2,381.39	3/4	2,744.20	3/4	3,106.94	3/4	3,469.63
7	212.24	7	575.02	7	937.79	7	1,300.50	7	1,663.33	7	2,026.14	7	2,388.95	7	2,751.76	7	3,114.50	7	3,477.19
1/4	219.80	1/4	582.58	1/4	945.34	1/4	1,308.06	1/4	1,670.89	1/4	2,033.70	1/4	2,396.51	1/4	2,759.32	1/4	3,122.05	1/4	3,484.74
1/2	227.36	1/2	590.14	1/2	952.89	1/2	1,315.62	1/2	1,678.44	1/2	2,041.25	1/2	2,404.07	1/2	2,766.88	1/2	3,129.61	1/2	3,492.30
3/4	234.92	3/4	597.70	3/4	960.45	3/4	1,323.18	3/4	1,685.99	3/4	2,048.80	3/4	2,411.63	3/4	2,774.44	3/4	3,137.16	3/4	3,499.85
8	242.48	8	605.26	8	968.00	8	1,330.74	8	1,693.55	8	2,056.36	8	2,419.19	8	2,782.00	8	3,144.71	8	3,507.40
1/4	250.04	1/4	612.82	1/4	975.55	1/4	1,338.30	1/4	1,701.11	1/4	2,063.92	1/4	2,426.74	1/4	2,789.55	1/4	3,152.27	1/4	3,514.96
1/2	257.60	1/2	620.37	1/2	983.11	1/2	1,345.86	1/2	1,708.67	1/2	2,071.48	1/2	2,434.30	1/2	2,797.11	1/2	3,159.83	1/2	3,522.51
3/4	265.15	3/4	627.92	3/4	990.66	3/4	1,353.42	3/4	1,716.23	3/4	2,079.04	3/4	2,441.85	3/4	2,804.66	3/4	3,167.39	3/4	3,530.07
9	272.71	9	635.48	9	998.21	9	1,360.98	9	1,723.79	9	2,086.60	9	2,449.40	9	2,812.21	9	3,174.95	9	3,537.62
1/4	280.27	1/4	643.04	1/4	1,005.77	1/4	1,368.54	1/4	1,731.35	1/4	2,094.15	1/4	2,456.96	1/4	2,819.77	1/4	3,182.51	1/4	3,545.18
1/2	287.83	1/2	650.60	1/2	1,013.33	1/2	1,376.10	1/2	1,738.90	1/2	2,101.71	1/2	2,464.52	1/2	2,827.33	1/2	3,190.06	1/2	3,552.74
3/4	295.39	3/4	658.15	3/4	1,020.89	3/4	1,383.65	3/4	1,746.46	3/4	2,109.27	3/4	2,472.08	3/4	2,834.89	3/4	3,197.61	3/4	3,560.30
10	302.95	10	665.71	10	1,028.45	10	1,391.21	10	1,754.02	10	2,116.83	10	2,479.64	10	2,842.45	10	3,205.17	10	3,567.86
1/4	310.51	1/4	673.27	1/4	1,036.01	1/4	1,398.77	1/4	1,761.58	1/4	2,124.39	1/4	2,487.20	1/4	2,850.01	1/4	3,212.72	1/4	3,575.41
1/2	318.06	1/2	680.83	1/2	1,043.56	1/2	1,406.33	1/2	1,769.14	1/2	2,131.95	1/2	2,494.76	1/2	2,857.57	1/2	3,220.27	1/2	3,582.96
3/4	325.61	3/4	688.39	3/4	1,051.11	3/4	1,413.89	3/4	1,776.70	3/4	2,139.51	3/4	2,502.32	3/4	2,865.13	3/4	3,227.83	3/4	3,590.52
11	333.17	11	695.95	11	1,058.67	11	1,421.45	11	1,784.26	11	2,147.07	11	2,509.88	11	2,872.69	11	3,235.38	11	3,598.07
1/4	340.73	1/4	703.51	1/4	1,066.23	1/4	1,429.01	1/4	1,791.82	1/4	2,154.63	1/4	2,517.44	1/4	2,880.25	1/4	3,242.94	1/4	3,605.63
1/2	348.29	1/2	711.06	1/2	1,073.79	1/2	1,436.57	1/2	1,799.38	1/2	2,162.19	1/2	2,525.00	1/2	2,887.81	1/2	3,250.50	1/2	3,613.19
3/4	355.85	3/4	718.61	3/4	1,081.35	3/4	1,444.13	3/4	1,806.94	3/4	2,169.75	3/4	2,532.56	3/4	2,895.37	3/4	3,258.06	3/4	3,620.75

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10-10" OFF CENTERLINE AND 42-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "NGL 3002"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	3,628.31	0	3,990.98	0	4,353.67	0	4,716.36	0	5,078.00	0		0		0		0		0	
1/4	3,635.86	1/4	3,998.54	1/4	4,361.23	1/4	4,723.91	1/4	5,085.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.42	1/2	4,006.10	1/2	4,368.79	1/2	4,731.46	1/2	5,093.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.97	3/4	4,013.65	3/4	4,376.35	3/4	4,739.02	3/4	5,100.57	3/4		3/4		3/4		3/4		3/4	
1	3,658.52	1	4,021.21	1	4,383.90	1	4,746.57	1	5,108.10	1		1		1		1		1	
1/4	3,666.08	1/4	4,028.77	1/4	4,391.46	1/4	4,754.13	1/4	5,115.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.63	1/2	4,036.32	1/2	4,399.01	1/2	4,761.69	1/2	5,123.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.18	3/4	4,043.88	3/4	4,406.57	3/4	4,769.25	3/4	5,130.68	3/4		3/4		3/4		3/4		3/4	
2	3,688.74	2	4,051.43	2	4,414.12	2	4,776.81	2	5,138.21	2		2		2		2		2	
1/4	3,696.30	1/4	4,058.99	1/4	4,421.67	1/4	4,784.36	1/4	5,145.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.86	1/2	4,066.55	1/2	4,429.23	1/2	4,791.92	1/2	5,153.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.42	3/4	4,074.11	3/4	4,436.78	3/4	4,799.47	3/4	5,160.80	3/4		3/4		3/4		3/4		3/4	
3	3,718.98	3	4,081.67	3	4,444.33	3	4,807.02	3	5,168.33	3		3		3		3		3	
1/4	3,726.53	1/4	4,089.22	1/4	4,451.89	1/4	4,814.55	1/4	5,175.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.08	1/2	4,096.77	1/2	4,459.45	1/2	4,822.08	1/2	5,183.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.64	3/4	4,104.33	3/4	4,467.01	3/4	4,829.61	3/4	5,190.91	3/4		3/4		3/4		3/4		3/4	
4	3,749.19	4	4,111.88	4	4,474.57	4	4,837.14	4	5,198.43	4		4		4		4		4	
1/4	3,756.75	1/4	4,119.43	1/4	4,482.13	1/4	4,844.67	1/4	5,205.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.31	1/2	4,126.99	1/2	4,489.68	1/2	4,852.20	1/2	5,213.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.87	3/4	4,134.54	3/4	4,497.23	3/4	4,859.73	3/4	5,221.02	3/4		3/4		3/4		3/4		3/4	
5	3,779.43	5	4,142.10	5	4,504.79	5	4,867.26	5	5,228.55	5		5		5		5		5	
1/4	3,786.98	1/4	4,149.66	1/4	4,512.35	1/4	4,874.79	1/4	5,235.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.54	1/2	4,157.21	1/2	4,519.90	1/2	4,882.31	1/2	5,242.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.09	3/4	4,164.77	3/4	4,527.46	3/4	4,889.83	3/4	5,249.58	3/4		3/4		3/4		3/4		3/4	
6	3,809.64	6	4,172.33	6	4,535.02	6	4,897.36	6	5,256.60	6		6		6		6		6	
1/4	3,817.20	1/4	4,179.89	1/4	4,542.58	1/4	4,904.89	1/4	5,262.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.75	1/2	4,187.44	1/2	4,550.13	1/2	4,912.42	1/2	5,268.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.30	3/4	4,194.99	3/4	4,557.68	3/4	4,919.95	3/4	5,273.85	3/4		3/4		3/4		3/4		3/4	
7	3,839.86	7	4,202.55	7	4,565.24	7	4,927.48	7	5,279.60	7		7		7		7		7	
1/4	3,847.42	1/4	4,210.11	1/4	4,572.79	1/4	4,935.00	1/4	5,284.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,854.98	1/2	4,217.67	1/2	4,580.35	1/2	4,942.52	1/2	5,288.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.54	3/4	4,225.23	3/4	4,587.90	3/4	4,950.05	3/4	5,293.10	3/4		3/4		3/4		3/4		3/4	
8	3,870.10	8	4,232.79	8	4,595.45	8	4,957.57	8	5,297.60	8		8		8		8		8	
1/4	3,877.65	1/4	4,240.34	1/4	4,603.01	1/4	4,965.10	1/4	5,300.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,885.20	1/2	4,247.89	1/2	4,610.57	1/2	4,972.63	1/2	5,304.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,892.76	3/4	4,255.45	3/4	4,618.13	3/4	4,980.16	3/4	5,307.29	3/4		3/4		3/4		3/4		3/4	
9	3,900.31	9	4,263.00	9	4,625.69	9	4,987.69	9	5,310.52	9		9		9		9		9	
1/4	3,907.87	1/4	4,270.55	1/4	4,633.24	1/4	4,995.21	1/4	5,312.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,915.43	1/2	4,278.11	1/2	4,640.80	1/2	5,002.74	1/2	5,314.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,922.99	3/4	4,285.66	3/4	4,648.35	3/4	5,010.26	3/4	5,316.54	3/4		3/4		3/4		3/4		3/4	
10	3,930.55	10	4,293.21	10	4,655.90	10	5,017.79	10	5,318.55	10		10		10		10		10	
1/4	3,938.10	1/4	4,300.77	1/4	4,663.46	1/4	5,025.31	1/4	5,319.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,945.65	1/2	4,308.33	1/2	4,671.02	1/2	5,032.83	1/2	5,320.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,953.21	3/4	4,315.89	3/4	4,678.58	3/4	5,040.36	3/4	5,320.78	3/4		3/4		3/4		3/4		3/4	
11	3,960.76	11	4,323.45	11	4,686.14	11	5,047.88	11	5,321.52	11		11		11		11		11	
1/4	3,968.32	1/4	4,331.01	1/4	4,693.70	1/4	5,055.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.87	1/2	4,338.56	1/2	4,701.25	1/2	5,062.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.42	3/4	4,346.11	3/4	4,708.80	3/4	5,070.47	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/23/2011 JLF  
DECK MEASUREMENTS: 2/17/2017 CL SW  
REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3002"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	22.10	0	364.05	0	727.48	0	1,090.71	0	1,454.12	0	1,817.57	0	2,181.05	0	2,544.50	0	2,907.98	0	3,271.31
1/4	26.43	1/4	371.62	1/4	735.05	1/4	1,098.28	1/4	1,461.69	1/4	1,825.14	1/4	2,188.62	1/4	2,552.07	1/4	2,915.55	1/4	3,278.88
1/2	30.76	1/2	379.19	1/2	742.62	1/2	1,105.85	1/2	1,469.26	1/2	1,832.71	1/2	2,196.19	1/2	2,559.64	1/2	2,923.12	1/2	3,286.45
3/4	35.10	3/4	386.76	3/4	750.19	3/4	1,113.41	3/4	1,476.83	3/4	1,840.29	3/4	2,203.76	3/4	2,567.21	3/4	2,930.69	3/4	3,294.02
1	39.43	1	394.33	1	757.76	1	1,120.98	1	1,484.40	1	1,847.86	1	2,211.33	1	2,574.78	1	2,938.26	1	3,301.60
1/4	45.03	1/4	401.90	1/4	765.33	1/4	1,128.54	1/4	1,491.98	1/4	1,855.43	1/4	2,218.90	1/4	2,582.36	1/4	2,945.83	1/4	3,309.17
1/2	50.63	1/2	409.48	1/2	772.90	1/2	1,136.11	1/2	1,499.55	1/2	1,863.01	1/2	2,226.48	1/2	2,589.94	1/2	2,953.39	1/2	3,316.74
3/4	56.23	3/4	417.05	3/4	780.48	3/4	1,143.67	3/4	1,507.12	3/4	1,870.59	3/4	2,234.05	3/4	2,597.52	3/4	2,960.96	3/4	3,324.31
2	61.83	2	424.62	2	788.05	2	1,151.24	2	1,514.69	2	1,878.17	2	2,241.62	2	2,605.10	2	2,968.52	2	3,331.88
1/4	68.70	1/4	432.19	1/4	795.62	1/4	1,158.81	1/4	1,522.26	1/4	1,885.74	1/4	2,249.19	1/4	2,612.67	1/4	2,976.10	1/4	3,339.45
1/2	75.56	1/2	439.76	1/2	803.19	1/2	1,166.38	1/2	1,529.83	1/2	1,893.31	1/2	2,256.76	1/2	2,620.24	1/2	2,983.67	1/2	3,347.01
3/4	82.42	3/4	447.33	3/4	810.76	3/4	1,173.95	3/4	1,537.40	3/4	1,900.88	3/4	2,264.33	3/4	2,627.81	3/4	2,991.24	3/4	3,354.58
3	89.29	3	454.90	3	818.33	3	1,181.52	3	1,544.98	3	1,908.45	3	2,271.90	3	2,635.38	3	2,998.81	3	3,362.14
1/4	97.41	1/4	462.48	1/4	825.90	1/4	1,189.10	1/4	1,552.55	1/4	1,916.02	1/4	2,279.48	1/4	2,642.95	1/4	3,006.38	1/4	3,369.71
1/2	105.54	1/2	470.05	1/2	833.46	1/2	1,196.67	1/2	1,560.12	1/2	1,923.60	1/2	2,287.05	1/2	2,650.52	1/2	3,013.95	1/2	3,377.29
3/4	113.66	3/4	477.62	3/4	841.03	3/4	1,204.24	3/4	1,567.69	3/4	1,931.17	3/4	2,294.62	3/4	2,658.09	3/4	3,021.52	3/4	3,384.86
4	121.79	4	485.19	4	848.59	4	1,211.81	4	1,575.26	4	1,938.74	4	2,302.19	4	2,665.67	4	3,029.10	4	3,392.43
1/4	129.36	1/4	492.76	1/4	856.16	1/4	1,219.38	1/4	1,582.83	1/4	1,946.31	1/4	2,309.76	1/4	2,673.24	1/4	3,036.66	1/4	3,400.00
1/2	136.93	1/2	500.33	1/2	863.73	1/2	1,226.95	1/2	1,590.40	1/2	1,953.88	1/2	2,317.33	1/2	2,680.81	1/2	3,044.23	1/2	3,407.57
3/4	144.50	3/4	507.90	3/4	871.29	3/4	1,234.52	3/4	1,597.98	3/4	1,961.45	3/4	2,324.90	3/4	2,688.38	3/4	3,051.79	3/4	3,415.14
5	152.07	5	515.48	5	878.86	5	1,242.10	5	1,605.55	5	1,969.02	5	2,332.48	5	2,695.95	5	3,059.36	5	3,422.71
1/4	159.64	1/4	523.05	1/4	886.42	1/4	1,249.67	1/4	1,613.12	1/4	1,976.60	1/4	2,340.05	1/4	2,703.52	1/4	3,066.93	1/4	3,430.28
1/2	167.21	1/2	530.62	1/2	893.99	1/2	1,257.24	1/2	1,620.70	1/2	1,984.17	1/2	2,347.63	1/2	2,711.09	1/2	3,074.50	1/2	3,437.85
3/4	174.79	3/4	538.19	3/4	901.55	3/4	1,264.81	3/4	1,628.28	3/4	1,991.74	3/4	2,355.21	3/4	2,718.67	3/4	3,082.07	3/4	3,445.41
6	182.36	6	545.76	6	909.12	6	1,272.38	6	1,635.86	6	1,999.31	6	2,362.79	6	2,726.24	6	3,089.64	6	3,452.98
1/4	189.92	1/4	553.33	1/4	916.68	1/4	1,279.95	1/4	1,643.43	1/4	2,006.88	1/4	2,370.36	1/4	2,733.81	1/4	3,097.21	1/4	3,460.55
1/2	197.49	1/2	560.90	1/2	924.25	1/2	1,287.52	1/2	1,651.00	1/2	2,014.45	1/2	2,377.93	1/2	2,741.38	1/2	3,104.79	1/2	3,468.12
3/4	205.05	3/4	568.48	3/4	931.82	3/4	1,295.10	3/4	1,658.57	3/4	2,022.02	3/4	2,385.50	3/4	2,748.95	3/4	3,112.36	3/4	3,475.69
7	212.62	7	576.05	7	939.38	7	1,302.67	7	1,666.14	7	2,029.59	7	2,393.07	7	2,756.52	7	3,119.93	7	3,483.26
1/4	220.19	1/4	583.62	1/4	946.95	1/4	1,310.24	1/4	1,673.71	1/4	2,037.17	1/4	2,400.64	1/4	2,764.09	1/4	3,127.49	1/4	3,490.83
1/2	227.76	1/2	591.19	1/2	954.51	1/2	1,317.81	1/2	1,681.29	1/2	2,044.74	1/2	2,408.21	1/2	2,771.67	1/2	3,135.06	1/2	3,498.40
3/4	235.33	3/4	598.76	3/4	962.08	3/4	1,325.38	3/4	1,688.86	3/4	2,052.31	3/4	2,415.79	3/4	2,779.24	3/4	3,142.62	3/4	3,505.98
8	242.90	8	606.33	8	969.64	8	1,332.95	8	1,696.43	8	2,059.88	8	2,423.36	8	2,786.81	8	3,150.19	8	3,513.55
1/4	250.48	1/4	612.96	1/4	977.21	1/4	1,340.52	1/4	1,704.00	1/4	2,067.45	1/4	2,430.93	1/4	2,794.39	1/4	3,157.76	1/4	3,521.11
1/2	258.05	1/2	619.58	1/2	984.77	1/2	1,348.09	1/2	1,711.57	1/2	2,075.02	1/2	2,438.50	1/2	2,801.96	1/2	3,165.33	1/2	3,528.68
3/4	265.62	3/4	626.21	3/4	992.34	3/4	1,355.67	3/4	1,719.14	3/4	2,082.59	3/4	2,446.07	3/4	2,809.54	3/4	3,172.90	3/4	3,536.24
9	273.19	9	632.83	9	999.90	9	1,363.24	9	1,726.71	9	2,090.17	9	2,453.64	9	2,817.12	9	3,180.48	9	3,543.81
1/4	280.76	1/4	641.35	1/4	1,007.47	1/4	1,370.82	1/4	1,734.29	1/4	2,097.74	1/4	2,461.21	1/4	2,824.69	1/4	3,188.05	1/4	3,551.38
1/2	288.33	1/2	649.87	1/2	1,015.04	1/2	1,378.39	1/2	1,741.86	1/2	2,105.32	1/2	2,468.79	1/2	2,832.26	1/2	3,195.62	1/2	3,558.95
3/4	295.90	3/4	658.39	3/4	1,022.60	3/4	1,385.97	3/4	1,749.43	3/4	2,112.90	3/4	2,476.36	3/4	2,839.83	3/4	3,203.19	3/4	3,566.52
10	303.48	10	666.90	10	1,030.17	10	1,393.55	10	1,757.00	10	2,120.48	10	2,483.93	10	2,847.40	10	3,210.76	10	3,574.10
1/4	311.05	1/4	674.48	1/4	1,037.73	1/4	1,401.12	1/4	1,764.57	1/4	2,128.05	1/4	2,491.50	1/4	2,854.98	1/4	3,218.33	1/4	3,581.67
1/2	318.62	1/2	682.05	1/2	1,045.30	1/2	1,408.69	1/2	1,772.14	1/2	2,135.62	1/2	2,499.07	1/2	2,862.55	1/2	3,225.89	1/2	3,589.24
3/4	326.19	3/4	689.62	3/4	1,052.86	3/4	1,416.26	3/4	1,779.71	3/4	2,143.19	3/4	2,506.64	3/4	2,870.12	3/4	3,233.46	3/4	3,596.81
11	333.76	11	697.19	11	1,060.43	11	1,423.83	11	1,787.29	11	2,150.76	11	2,514.21	11	2,877.69	11	3,241.02	11	3,604.38
1/4	341.33	1/4	704.76	1/4	1,068.00	1/4	1,431.40	1/4	1,794.86	1/4	2,158.33	1/4	2,521.79	1/4	2,885.26	1/4	3,248.60	1/4	3,611.95
1/2	348.90	1/2	712.33	1/2	1,075.57	1/2	1,438.98	1/2	1,802.43	1/2	2,165.90	1/2	2,529.36	1/2	2,892.83	1/2	3,256.17	1/2	3,619.51
3/4	356.48	3/4	719.90	3/4	1,083.14	3/4	1,446.55	3/4	1,810.00	3/4	2,173.48	3/4	2,536.93	3/4	2,900.40	3/4	3,263.74	3/4	3,627.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3002"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,634.64	0	3,998.00	0	4,361.33	0	4,724.67	0	5,086.95	0		0		0		0		0	
1/4	3,642.21	1/4	4,005.57	1/4	4,368.90	1/4	4,732.24	1/4	5,094.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.79	1/2	4,013.13	1/2	4,376.48	1/2	4,739.81	1/2	5,102.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.36	3/4	4,020.70	3/4	4,384.05	3/4	4,747.38	3/4	5,109.58	3/4		3/4		3/4		3/4		3/4	
1	3,664.93	1	4,028.26	1	4,391.62	1	4,754.95	1	5,117.12	1		1		1		1		1	
1/4	3,672.50	1/4	4,035.83	1/4	4,399.18	1/4	4,762.52	1/4	5,124.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,680.07	1/2	4,043.40	1/2	4,406.75	1/2	4,770.08	1/2	5,132.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,687.64	3/4	4,050.98	3/4	4,414.32	3/4	4,777.65	3/4	5,139.74	3/4		3/4		3/4		3/4		3/4	
2	3,695.21	2	4,058.55	2	4,421.88	2	4,785.21	2	5,147.29	2		2		2		2		2	
1/4	3,702.78	1/4	4,066.12	1/4	4,429.45	1/4	4,792.79	1/4	5,154.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,710.35	1/2	4,073.69	1/2	4,437.02	1/2	4,800.36	1/2	5,162.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,717.91	3/4	4,081.26	3/4	4,444.60	3/4	4,807.93	3/4	5,169.91	3/4		3/4		3/4		3/4		3/4	
3	3,725.48	3	4,088.83	3	4,452.17	3	4,815.50	3	5,177.45	3		3		3		3		3	
1/4	3,733.05	1/4	4,096.40	1/4	4,459.74	1/4	4,823.04	1/4	5,184.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,740.62	1/2	4,103.96	1/2	4,467.31	1/2	4,830.58	1/2	5,192.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,748.19	3/4	4,111.53	3/4	4,474.88	3/4	4,838.13	3/4	5,200.08	3/4		3/4		3/4		3/4		3/4	
4	3,755.76	4	4,119.10	4	4,482.45	4	4,845.67	4	5,207.62	4		4		4		4		4	
1/4	3,763.33	1/4	4,126.67	1/4	4,490.02	1/4	4,853.21	1/4	5,215.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,770.90	1/2	4,134.24	1/2	4,497.58	1/2	4,860.75	1/2	5,222.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,778.48	3/4	4,141.81	3/4	4,505.15	3/4	4,868.29	3/4	5,230.24	3/4		3/4		3/4		3/4		3/4	
5	3,786.05	5	4,149.38	5	4,512.71	5	4,875.83	5	5,237.79	5		5		5		5		5	
1/4	3,793.61	1/4	4,156.95	1/4	4,520.29	1/4	4,883.38	1/4	5,244.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,801.18	1/2	4,164.52	1/2	4,527.86	1/2	4,890.92	1/2	5,251.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,808.74	3/4	4,172.09	3/4	4,535.43	3/4	4,898.46	3/4	5,258.86	3/4		3/4		3/4		3/4		3/4	
6	3,816.31	6	4,179.67	6	4,543.00	6	4,906.00	6	5,265.88	6		6		6		6		6	
1/4	3,823.88	1/4	4,187.23	1/4	4,550.57	1/4	4,913.54	1/4	5,271.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,831.45	1/2	4,194.80	1/2	4,558.14	1/2	4,921.08	1/2	5,277.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,839.02	3/4	4,202.36	3/4	4,565.71	3/4	4,928.63	3/4	5,283.17	3/4		3/4		3/4		3/4		3/4	
7	3,846.60	7	4,209.93	7	4,573.29	7	4,936.17	7	5,288.93	7		7		7		7		7	
1/4	3,854.17	1/4	4,217.50	1/4	4,580.85	1/4	4,943.70	1/4	5,293.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,861.74	1/2	4,225.07	1/2	4,588.42	1/2	4,951.24	1/2	5,297.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,869.31	3/4	4,232.64	3/4	4,595.98	3/4	4,958.77	3/4	5,302.45	3/4		3/4		3/4		3/4		3/4	
8	3,876.88	8	4,240.21	8	4,603.55	8	4,966.31	8	5,306.95	8		8		8		8		8	
1/4	3,884.45	1/4	4,247.79	1/4	4,611.12	1/4	4,973.85	1/4	5,310.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,892.02	1/2	4,255.36	1/2	4,618.69	1/2	4,981.39	1/2	5,313.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,899.59	3/4	4,262.93	3/4	4,626.26	3/4	4,988.93	3/4	5,316.68	3/4		3/4		3/4		3/4		3/4	
9	3,907.17	9	4,270.50	9	4,633.83	9	4,996.48	9	5,319.93	9		9		9		9		9	
1/4	3,914.73	1/4	4,278.07	1/4	4,641.40	1/4	5,004.02	1/4	5,321.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,922.30	1/2	4,285.63	1/2	4,648.98	1/2	5,011.56	1/2	5,323.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,929.86	3/4	4,293.20	3/4	4,656.55	3/4	5,019.10	3/4	5,325.95	3/4		3/4		3/4		3/4		3/4	
10	3,937.43	10	4,300.76	10	4,664.12	10	5,026.64	10	5,327.95	10		10		10		10		10	
1/4	3,945.00	1/4	4,308.33	1/4	4,671.68	1/4	5,034.18	1/4	5,328.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,952.57	1/2	4,315.90	1/2	4,679.25	1/2	5,041.73	1/2	5,329.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,960.14	3/4	4,323.48	3/4	4,686.82	3/4	5,049.27	3/4	5,330.18	3/4		3/4		3/4		3/4		3/4	
11	3,967.71	11	4,331.05	11	4,694.38	11	5,056.81	11	5,330.93	11		11		11		11		11	
1/4	3,975.29	1/4	4,338.62	1/4	4,701.95	1/4	5,064.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,982.86	1/2	4,346.19	1/2	4,709.52	1/2	5,071.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,990.43	3/4	4,353.76	3/4	4,717.10	3/4	5,079.42	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/23/2011 JLF  
DECK MEASUREMENTS: 2/17/2017 CL SW  
REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3002"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.98	0	362.02	0	723.43	0	1,084.79	0	1,446.19	0	1,807.64	0	2,169.07	0	2,530.52	0	2,891.95	0	3,253.26
1/4	26.29	1/4	369.55	1/4	730.96	1/4	1,092.31	1/4	1,453.72	1/4	1,815.17	1/4	2,176.60	1/4	2,538.05	1/4	2,899.48	1/4	3,260.79
1/2	30.60	1/2	377.08	1/2	738.49	1/2	1,099.83	1/2	1,461.25	1/2	1,822.70	1/2	2,184.13	1/2	2,545.58	1/2	2,907.01	1/2	3,268.32
3/4	34.90	3/4	384.61	3/4	746.02	3/4	1,107.36	3/4	1,468.78	3/4	1,830.23	3/4	2,191.66	3/4	2,553.11	3/4	2,914.54	3/4	3,275.85
1	39.21	1	392.14	1	753.55	1	1,114.88	1	1,476.31	1	1,837.76	1	2,199.19	1	2,560.64	1	2,922.07	1	3,283.38
1/4	44.79	1/4	399.67	1/4	761.08	1/4	1,122.41	1/4	1,483.84	1/4	1,845.29	1/4	2,206.72	1/4	2,568.17	1/4	2,929.60	1/4	3,290.90
1/2	50.36	1/2	407.20	1/2	768.61	1/2	1,129.94	1/2	1,491.37	1/2	1,852.82	1/2	2,214.25	1/2	2,575.70	1/2	2,937.12	1/2	3,298.43
3/4	55.93	3/4	414.73	3/4	776.14	3/4	1,137.47	3/4	1,498.90	3/4	1,860.35	3/4	2,221.78	3/4	2,583.23	3/4	2,944.64	3/4	3,305.95
2	61.50	2	422.26	2	783.67	2	1,145.00	2	1,506.43	2	1,867.88	2	2,229.31	2	2,590.76	2	2,952.17	2	3,313.48
1/4	68.32	1/4	429.79	1/4	791.20	1/4	1,152.53	1/4	1,513.96	1/4	1,875.41	1/4	2,236.84	1/4	2,598.29	1/4	2,959.70	1/4	3,321.01
1/2	75.14	1/2	437.32	1/2	798.73	1/2	1,160.06	1/2	1,521.49	1/2	1,882.94	1/2	2,244.37	1/2	2,605.82	1/2	2,967.23	1/2	3,328.54
3/4	81.96	3/4	444.85	3/4	806.26	3/4	1,167.59	3/4	1,529.02	3/4	1,890.47	3/4	2,251.90	3/4	2,613.35	3/4	2,974.76	3/4	3,336.07
3	88.79	3	452.38	3	813.79	3	1,175.12	3	1,536.55	3	1,898.00	3	2,259.43	3	2,620.88	3	2,982.29	3	3,343.60
1/4	96.86	1/4	459.91	1/4	821.32	1/4	1,182.65	1/4	1,544.08	1/4	1,905.53	1/4	2,266.96	1/4	2,628.41	1/4	2,989.81	1/4	3,351.13
1/2	104.94	1/2	467.44	1/2	828.85	1/2	1,190.18	1/2	1,551.61	1/2	1,913.06	1/2	2,274.49	1/2	2,635.94	1/2	2,997.33	1/2	3,358.65
3/4	113.02	3/4	474.97	3/4	836.38	3/4	1,197.71	3/4	1,559.14	3/4	1,920.59	3/4	2,282.02	3/4	2,643.47	3/4	3,004.86	3/4	3,366.18
4	121.10	4	482.50	4	843.91	4	1,205.24	4	1,566.67	4	1,928.12	4	2,289.55	4	2,651.00	4	3,012.38	4	3,373.71
1/4	128.63	1/4	490.03	1/4	851.44	1/4	1,212.77	1/4	1,574.20	1/4	1,935.65	1/4	2,297.08	1/4	2,658.53	1/4	3,019.91	1/4	3,381.24
1/2	136.16	1/2	497.56	1/2	858.97	1/2	1,220.30	1/2	1,581.73	1/2	1,943.18	1/2	2,304.61	1/2	2,666.06	1/2	3,027.44	1/2	3,388.76
3/4	143.68	3/4	505.09	3/4	866.50	3/4	1,227.83	3/4	1,589.26	3/4	1,950.71	3/4	2,312.14	3/4	2,673.59	3/4	3,034.97	3/4	3,396.29
5	151.21	5	512.62	5	874.03	5	1,235.36	5	1,596.79	5	1,958.24	5	2,319.67	5	2,681.12	5	3,042.50	5	3,403.81
1/4	158.74	1/4	520.15	1/4	881.55	1/4	1,242.89	1/4	1,604.32	1/4	1,965.77	1/4	2,327.20	1/4	2,688.65	1/4	3,050.03	1/4	3,411.34
1/2	166.27	1/2	527.68	1/2	889.07	1/2	1,250.42	1/2	1,611.85	1/2	1,973.30	1/2	2,334.73	1/2	2,696.18	1/2	3,057.56	1/2	3,418.87
3/4	173.80	3/4	535.21	3/4	896.60	3/4	1,257.95	3/4	1,619.38	3/4	1,980.83	3/4	2,342.26	3/4	2,703.71	3/4	3,065.09	3/4	3,426.40
6	181.33	6	542.74	6	904.12	6	1,265.48	6	1,626.91	6	1,988.36	6	2,349.79	6	2,711.24	6	3,072.62	6	3,433.93
1/4	188.86	1/4	550.27	1/4	911.65	1/4	1,273.01	1/4	1,634.44	1/4	1,995.89	1/4	2,357.32	1/4	2,718.77	1/4	3,080.14	1/4	3,441.45
1/2	196.39	1/2	557.80	1/2	919.18	1/2	1,280.54	1/2	1,641.97	1/2	2,003.42	1/2	2,364.85	1/2	2,726.30	1/2	3,087.67	1/2	3,448.98
3/4	203.92	3/4	565.33	3/4	926.71	3/4	1,288.07	3/4	1,649.50	3/4	2,010.95	3/4	2,372.38	3/4	2,733.83	3/4	3,095.19	3/4	3,456.50
7	211.45	7	572.86	7	934.24	7	1,295.60	7	1,657.03	7	2,018.48	7	2,379.91	7	2,741.36	7	3,102.71	7	3,464.02
1/4	218.98	1/4	580.38	1/4	941.76	1/4	1,303.13	1/4	1,664.56	1/4	2,026.01	1/4	2,387.44	1/4	2,748.89	1/4	3,110.24	1/4	3,471.55
1/2	226.51	1/2	587.91	1/2	949.29	1/2	1,310.66	1/2	1,672.09	1/2	2,033.54	1/2	2,394.97	1/2	2,756.42	1/2	3,117.77	1/2	3,479.08
3/4	234.04	3/4	595.43	3/4	956.81	3/4	1,318.19	3/4	1,679.62	3/4	2,041.07	3/4	2,402.50	3/4	2,763.95	3/4	3,125.30	3/4	3,486.61
8	241.57	8	602.95	8	964.33	8	1,325.72	8	1,687.15	8	2,048.60	8	2,410.03	8	2,771.48	8	3,132.83	8	3,494.14
1/4	249.10	1/4	610.48	1/4	971.86	1/4	1,333.25	1/4	1,694.68	1/4	2,056.13	1/4	2,417.56	1/4	2,779.01	1/4	3,140.36	1/4	3,501.67
1/2	256.63	1/2	618.01	1/2	979.39	1/2	1,340.78	1/2	1,702.21	1/2	2,063.66	1/2	2,425.09	1/2	2,786.54	1/2	3,147.88	1/2	3,509.20
3/4	264.16	3/4	625.54	3/4	986.92	3/4	1,348.30	3/4	1,709.74	3/4	2,071.19	3/4	2,432.62	3/4	2,794.07	3/4	3,155.40	3/4	3,516.73
9	271.69	9	633.07	9	994.45	9	1,355.83	9	1,717.27	9	2,078.72	9	2,440.15	9	2,801.60	9	3,162.93	9	3,524.26
1/4	279.22	1/4	640.60	1/4	1,001.98	1/4	1,363.36	1/4	1,724.80	1/4	2,086.25	1/4	2,447.68	1/4	2,809.13	1/4	3,170.46	1/4	3,531.79
1/2	286.74	1/2	648.13	1/2	1,009.50	1/2	1,370.89	1/2	1,732.33	1/2	2,093.78	1/2	2,455.21	1/2	2,816.66	1/2	3,177.99	1/2	3,539.31
3/4	294.26	3/4	655.66	3/4	1,017.02	3/4	1,378.42	3/4	1,739.87	3/4	2,101.31	3/4	2,462.74	3/4	2,824.19	3/4	3,185.52	3/4	3,546.83
10	301.79	10	663.19	10	1,024.55	10	1,385.95	10	1,747.40	10	2,108.84	10	2,470.27	10	2,831.72	10	3,193.05	10	3,554.36
1/4	309.32	1/4	670.72	1/4	1,032.08	1/4	1,393.48	1/4	1,754.93	1/4	2,116.36	1/4	2,477.80	1/4	2,839.25	1/4	3,200.58	1/4	3,561.89
1/2	316.85	1/2	678.25	1/2	1,039.61	1/2	1,401.01	1/2	1,762.46	1/2	2,123.89	1/2	2,485.32	1/2	2,846.78	1/2	3,208.11	1/2	3,569.42
3/4	324.38	3/4	685.78	3/4	1,047.14	3/4	1,408.54	3/4	1,769.99	3/4	2,131.42	3/4	2,492.85	3/4	2,854.31	3/4	3,215.64	3/4	3,576.95
11	331.91	11	693.31	11	1,054.67	11	1,416.07	11	1,777.52	11	2,138.95	11	2,500.38	11	2,861.83	11	3,223.17	11	3,584.48
1/4	339.43	1/4	700.84	1/4	1,062.20	1/4	1,423.60	1/4	1,785.05	1/4	2,146.48	1/4	2,507.92	1/4	2,869.36	1/4	3,230.69	1/4	3,592.00
1/2	346.96	1/2	708.37	1/2	1,069.73	1/2	1,431.13	1/2	1,792.58	1/2	2,154.01	1/2	2,515.45	1/2	2,876.89	1/2	3,238.21	1/2	3,599.52
3/4	354.49	3/4	715.90	3/4	1,077.26	3/4	1,438.66	3/4	1,800.11	3/4	2,161.54	3/4	2,522.99	3/4	2,884.42	3/4	3,245.74	3/4	3,607.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3002"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	3,614.57	0	3,975.90	0	4,337.21	0	4,698.52	0	5,058.79	0		0		0		0		0	
1/4	3,622.10	1/4	3,983.43	1/4	4,344.74	1/4	4,706.05	1/4	5,066.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.63	1/2	3,990.95	1/2	4,352.26	1/2	4,713.57	1/2	5,073.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.16	3/4	3,998.48	3/4	4,359.79	3/4	4,721.10	3/4	5,081.29	3/4		3/4		3/4		3/4		3/4	
1	3,644.69	1	4,006.00	1	4,367.31	1	4,728.62	1	5,088.79	1		1		1		1		1	
1/4	3,652.22	1/4	4,013.53	1/4	4,374.84	1/4	4,736.15	1/4	5,096.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.75	1/2	4,021.06	1/2	4,382.37	1/2	4,743.68	1/2	5,103.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.28	3/4	4,028.59	3/4	4,389.90	3/4	4,751.21	3/4	5,111.27	3/4		3/4		3/4		3/4		3/4	
2	3,674.81	2	4,036.12	2	4,397.43	2	4,758.74	2	5,118.76	2		2		2		2		2	
1/4	3,682.33	1/4	4,043.64	1/4	4,404.95	1/4	4,766.27	1/4	5,126.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.86	1/2	4,051.17	1/2	4,412.48	1/2	4,773.80	1/2	5,133.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,697.38	3/4	4,058.69	3/4	4,420.00	3/4	4,781.33	3/4	5,141.28	3/4		3/4		3/4		3/4		3/4	
3	3,704.90	3	4,066.21	3	4,427.52	3	4,788.86	3	5,148.79	3		3		3		3		3	
1/4	3,712.43	1/4	4,073.74	1/4	4,435.05	1/4	4,796.36	1/4	5,156.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.96	1/2	4,081.27	1/2	4,442.58	1/2	4,803.86	1/2	5,163.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.49	3/4	4,088.80	3/4	4,450.11	3/4	4,811.36	3/4	5,171.27	3/4		3/4		3/4		3/4		3/4	
4	3,735.02	4	4,096.33	4	4,457.64	4	4,818.86	4	5,178.76	4		4		4		4		4	
1/4	3,742.55	1/4	4,103.86	1/4	4,465.17	1/4	4,826.36	1/4	5,186.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,750.07	1/2	4,111.39	1/2	4,472.70	1/2	4,833.86	1/2	5,193.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.60	3/4	4,118.92	3/4	4,480.23	3/4	4,841.36	3/4	5,201.26	3/4		3/4		3/4		3/4		3/4	
5	3,765.12	5	4,126.45	5	4,487.76	5	4,848.86	5	5,208.76	5		5		5		5		5	
1/4	3,772.65	1/4	4,133.98	1/4	4,495.29	1/4	4,856.35	1/4	5,215.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,780.18	1/2	4,141.50	1/2	4,502.81	1/2	4,863.85	1/2	5,222.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.71	3/4	4,149.02	3/4	4,510.33	3/4	4,871.34	3/4	5,229.71	3/4		3/4		3/4		3/4		3/4	
6	3,795.24	6	4,156.55	6	4,517.86	6	4,878.83	6	5,236.69	6		6		6		6		6	
1/4	3,802.77	1/4	4,164.08	1/4	4,525.39	1/4	4,886.33	1/4	5,242.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,810.30	1/2	4,171.61	1/2	4,532.92	1/2	4,893.83	1/2	5,248.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,817.83	3/4	4,179.14	3/4	4,540.45	3/4	4,901.33	3/4	5,253.89	3/4		3/4		3/4		3/4		3/4	
7	3,825.36	7	4,186.67	7	4,547.98	7	4,908.83	7	5,259.62	7		7		7		7		7	
1/4	3,832.88	1/4	4,194.19	1/4	4,555.50	1/4	4,916.33	1/4	5,264.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,840.40	1/2	4,201.71	1/2	4,563.02	1/2	4,923.83	1/2	5,268.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,847.93	3/4	4,209.24	3/4	4,570.55	3/4	4,931.33	3/4	5,273.07	3/4		3/4		3/4		3/4		3/4	
8	3,855.45	8	4,216.76	8	4,578.07	8	4,938.83	8	5,277.55	8		8		8		8		8	
1/4	3,862.98	1/4	4,224.29	1/4	4,585.60	1/4	4,946.33	1/4	5,280.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,870.51	1/2	4,231.82	1/2	4,593.13	1/2	4,953.82	1/2	5,284.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,878.04	3/4	4,239.35	3/4	4,600.66	3/4	4,961.32	3/4	5,287.23	3/4		3/4		3/4		3/4		3/4	
9	3,885.57	9	4,246.88	9	4,608.19	9	4,968.81	9	5,290.45	9		9		9		9		9	
1/4	3,893.10	1/4	4,254.41	1/4	4,615.72	1/4	4,976.31	1/4	5,292.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,900.62	1/2	4,261.94	1/2	4,623.25	1/2	4,983.81	1/2	5,294.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,908.14	3/4	4,269.47	3/4	4,630.78	3/4	4,991.31	3/4	5,296.43	3/4		3/4		3/4		3/4		3/4	
10	3,915.67	10	4,277.00	10	4,638.31	10	4,998.81	10	5,298.43	10		10		10		10		10	
1/4	3,923.20	1/4	4,284.52	1/4	4,645.83	1/4	5,006.31	1/4	5,299.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,930.73	1/2	4,292.05	1/2	4,653.36	1/2	5,013.81	1/2	5,299.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,938.26	3/4	4,299.57	3/4	4,660.88	3/4	5,021.31	3/4	5,300.64	3/4		3/4		3/4		3/4		3/4	
11	3,945.79	11	4,307.10	11	4,668.40	11	5,028.81	11	5,301.38	11		11		11		11		11	
1/4	3,953.32	1/4	4,314.63	1/4	4,675.93	1/4	5,036.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.85	1/2	4,322.15	1/2	4,683.46	1/2	5,043.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.38	3/4	4,329.68	3/4	4,690.99	3/4	5,051.29	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2011 JLF  
DECK MEASUREMENTS: 2/17/2017 CL SW  
PRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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





# BARGE "NGL 3002"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.00	0	362.60	0	724.55	0	1,084.93	0	1,446.57	0	1,808.57	0	2,170.58	0	2,532.58	0	2,894.58	0	3,256.43
1/4	26.32	1/4	370.14	1/4	732.09	1/4	1,092.43	1/4	1,454.11	1/4	1,816.12	1/4	2,178.12	1/4	2,540.12	1/4	2,902.11	1/4	3,263.97
1/2	30.64	1/2	377.68	1/2	739.63	1/2	1,099.94	1/2	1,461.66	1/2	1,823.66	1/2	2,185.66	1/2	2,547.66	1/2	2,909.65	1/2	3,271.51
3/4	34.96	3/4	385.22	3/4	747.17	3/4	1,107.45	3/4	1,469.20	3/4	1,831.20	3/4	2,193.20	3/4	2,555.20	3/4	2,917.18	3/4	3,279.05
1	39.29	1	392.76	1	754.71	1	1,114.95	1	1,476.74	1	1,838.74	1	2,200.74	1	2,562.74	1	2,924.71	1	3,286.60
1/4	44.86	1/4	400.30	1/4	762.26	1/4	1,122.45	1/4	1,484.28	1/4	1,846.28	1/4	2,208.28	1/4	2,570.29	1/4	2,932.26	1/4	3,294.14
1/2	50.44	1/2	407.83	1/2	769.80	1/2	1,129.95	1/2	1,491.82	1/2	1,853.82	1/2	2,215.83	1/2	2,577.83	1/2	2,939.80	1/2	3,301.68
3/4	56.02	3/4	415.37	3/4	777.34	3/4	1,137.45	3/4	1,499.36	3/4	1,861.37	3/4	2,223.37	3/4	2,585.37	3/4	2,947.34	3/4	3,309.22
2	61.60	2	422.90	2	784.88	2	1,144.95	2	1,506.91	2	1,868.91	2	2,230.91	2	2,592.91	2	2,954.88	2	3,316.76
1/4	68.43	1/4	430.45	1/4	792.39	1/4	1,152.49	1/4	1,514.45	1/4	1,876.45	1/4	2,238.45	1/4	2,600.45	1/4	2,962.42	1/4	3,324.30
1/2	75.26	1/2	437.99	1/2	799.89	1/2	1,160.02	1/2	1,521.99	1/2	1,883.99	1/2	2,245.99	1/2	2,607.99	1/2	2,969.95	1/2	3,331.83
3/4	82.10	3/4	445.53	3/4	807.40	3/4	1,167.56	3/4	1,529.53	3/4	1,891.53	3/4	2,253.53	3/4	2,615.54	3/4	2,977.49	3/4	3,339.37
3	88.93	3	453.07	3	814.91	3	1,175.10	3	1,537.07	3	1,899.07	3	2,261.08	3	2,623.08	3	2,985.02	3	3,346.90
1/4	97.02	1/4	460.61	1/4	822.41	1/4	1,182.63	1/4	1,544.61	1/4	1,906.62	1/4	2,268.62	1/4	2,630.62	1/4	2,992.57	1/4	3,354.45
1/2	105.11	1/2	468.16	1/2	829.92	1/2	1,190.17	1/2	1,552.16	1/2	1,914.16	1/2	2,276.16	1/2	2,638.16	1/2	3,000.11	1/2	3,361.99
3/4	113.20	3/4	475.70	3/4	837.42	3/4	1,197.70	3/4	1,559.70	3/4	1,921.70	3/4	2,283.70	3/4	2,645.70	3/4	3,007.65	3/4	3,369.53
4	121.29	4	483.24	4	844.93	4	1,205.24	4	1,567.24	4	1,929.24	4	2,291.24	4	2,653.24	4	3,015.19	4	3,377.07
1/4	128.83	1/4	490.78	1/4	852.43	1/4	1,212.78	1/4	1,574.78	1/4	1,936.78	1/4	2,298.78	1/4	2,660.79	1/4	3,022.73	1/4	3,384.61
1/2	136.37	1/2	498.32	1/2	859.93	1/2	1,220.32	1/2	1,582.32	1/2	1,944.32	1/2	2,306.33	1/2	2,668.33	1/2	3,030.27	1/2	3,392.14
3/4	143.91	3/4	505.86	3/4	867.43	3/4	1,227.86	3/4	1,589.86	3/4	1,951.87	3/4	2,313.87	3/4	2,675.87	3/4	3,037.82	3/4	3,399.68
5	151.45	5	513.41	5	874.93	5	1,235.40	5	1,597.41	5	1,959.41	5	2,321.41	5	2,683.41	5	3,045.36	5	3,407.21
1/4	158.99	1/4	520.95	1/4	882.43	1/4	1,242.95	1/4	1,604.95	1/4	1,966.95	1/4	2,328.95	1/4	2,690.95	1/4	3,052.89	1/4	3,414.76
1/2	166.54	1/2	528.49	1/2	889.93	1/2	1,250.49	1/2	1,612.49	1/2	1,974.49	1/2	2,336.49	1/2	2,698.49	1/2	3,060.43	1/2	3,422.30
3/4	174.08	3/4	536.03	3/4	897.43	3/4	1,258.03	3/4	1,620.03	3/4	1,982.03	3/4	2,344.03	3/4	2,706.04	3/4	3,067.96	3/4	3,429.84
6	181.62	6	543.57	6	904.93	6	1,265.57	6	1,627.57	6	1,989.57	6	2,351.58	6	2,713.58	6	3,075.50	6	3,437.38
1/4	189.15	1/4	551.11	1/4	912.43	1/4	1,273.11	1/4	1,635.11	1/4	1,997.12	1/4	2,359.12	1/4	2,721.12	1/4	3,083.04	1/4	3,444.92
1/2	196.69	1/2	558.66	1/2	919.93	1/2	1,280.66	1/2	1,642.66	1/2	2,004.66	1/2	2,366.66	1/2	2,728.66	1/2	3,090.58	1/2	3,452.45
3/4	204.23	3/4	566.20	3/4	927.43	3/4	1,288.20	3/4	1,650.20	3/4	2,012.20	3/4	2,374.20	3/4	2,736.20	3/4	3,098.13	3/4	3,459.99
7	211.76	7	573.74	7	934.93	7	1,295.74	7	1,657.74	7	2,019.74	7	2,381.74	7	2,743.74	7	3,105.67	7	3,467.52
1/4	219.30	1/4	581.27	1/4	942.43	1/4	1,303.28	1/4	1,665.28	1/4	2,027.28	1/4	2,389.28	1/4	2,751.29	1/4	3,113.20	1/4	3,475.07
1/2	226.85	1/2	588.81	1/2	949.93	1/2	1,310.82	1/2	1,672.82	1/2	2,034.83	1/2	2,396.83	1/2	2,758.83	1/2	3,120.74	1/2	3,482.61
3/4	234.39	3/4	596.35	3/4	957.43	3/4	1,318.36	3/4	1,680.37	3/4	2,042.37	3/4	2,404.37	3/4	2,766.37	3/4	3,128.27	3/4	3,490.15
8	241.93	8	603.88	8	964.93	8	1,325.91	8	1,687.91	8	2,049.91	8	2,411.91	8	2,773.91	8	3,135.81	8	3,497.69
1/4	249.47	1/4	611.42	1/4	972.43	1/4	1,333.45	1/4	1,695.45	1/4	2,057.45	1/4	2,419.45	1/4	2,781.45	1/4	3,143.35	1/4	3,505.23
1/2	257.01	1/2	618.96	1/2	979.93	1/2	1,340.99	1/2	1,702.99	1/2	2,064.99	1/2	2,426.99	1/2	2,789.00	1/2	3,150.89	1/2	3,512.76
3/4	264.55	3/4	626.51	3/4	987.43	3/4	1,348.53	3/4	1,710.53	3/4	2,072.53	3/4	2,434.54	3/4	2,796.54	3/4	3,158.43	3/4	3,520.30
9	272.10	9	634.05	9	994.93	9	1,356.07	9	1,718.07	9	2,080.08	9	2,442.08	9	2,804.08	9	3,165.98	9	3,527.83
1/4	279.64	1/4	641.59	1/4	1,002.43	1/4	1,363.61	1/4	1,725.62	1/4	2,087.62	1/4	2,449.62	1/4	2,811.62	1/4	3,173.51	1/4	3,535.37
1/2	287.18	1/2	649.13	1/2	1,009.93	1/2	1,371.16	1/2	1,733.16	1/2	2,095.16	1/2	2,457.16	1/2	2,819.16	1/2	3,181.05	1/2	3,542.92
3/4	294.72	3/4	656.67	3/4	1,017.43	3/4	1,378.70	3/4	1,740.70	3/4	2,102.70	3/4	2,464.70	3/4	2,826.70	3/4	3,188.58	3/4	3,550.46
10	302.26	10	664.21	10	1,024.93	10	1,386.24	10	1,748.24	10	2,110.24	10	2,472.24	10	2,834.25	10	3,196.12	10	3,558.00
1/4	308.20	1/4	671.76	1/4	1,032.43	1/4	1,393.78	1/4	1,755.78	1/4	2,117.78	1/4	2,479.79	1/4	2,841.79	1/4	3,203.66	1/4	3,565.54
1/2	314.13	1/2	679.30	1/2	1,039.93	1/2	1,401.32	1/2	1,763.32	1/2	2,125.33	1/2	2,487.33	1/2	2,849.33	1/2	3,211.20	1/2	3,573.07
3/4	320.07	3/4	686.84	3/4	1,047.43	3/4	1,408.86	3/4	1,770.87	3/4	2,132.87	3/4	2,494.87	3/4	2,856.87	3/4	3,218.74	3/4	3,580.61
11	326.00	11	694.38	11	1,054.93	11	1,416.41	11	1,778.41	11	2,140.41	11	2,502.41	11	2,864.41	11	3,226.29	11	3,588.14
1/4	335.15	1/4	701.92	1/4	1,062.43	1/4	1,423.95	1/4	1,785.95	1/4	2,147.95	1/4	2,509.95	1/4	2,871.95	1/4	3,233.82	1/4	3,595.68
1/2	344.30	1/2	709.46	1/2	1,069.93	1/2	1,431.49	1/2	1,793.49	1/2	2,155.49	1/2	2,517.49	1/2	2,879.50	1/2	3,241.36	1/2	3,603.23
3/4	353.45	3/4	717.01	3/4	1,077.43	3/4	1,439.03	3/4	1,801.03	3/4	2,163.03	3/4	2,525.04	3/4	2,887.04	3/4	3,248.89	3/4	3,610.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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





# BARGE "NGL 3002"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,618.31	0	3,980.19	0	4,342.05	0	4,703.93	0	5,064.74	0		0		0		0		0	
1/4	3,625.85	1/4	3,987.73	1/4	4,349.59	1/4	4,711.46	1/4	5,072.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.39	1/2	3,995.26	1/2	4,357.13	1/2	4,719.00	1/2	5,079.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.93	3/4	4,002.80	3/4	4,364.67	3/4	4,726.54	3/4	5,087.27	3/4		3/4		3/4		3/4		3/4	
1	3,648.48	1	4,010.33	1	4,372.21	1	4,734.07	1	5,094.79	1		1		1		1		1	
1/4	3,656.01	1/4	4,017.87	1/4	4,379.75	1/4	4,741.61	1/4	5,102.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.55	1/2	4,025.42	1/2	4,387.29	1/2	4,749.15	1/2	5,109.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.08	3/4	4,032.96	3/4	4,394.82	3/4	4,756.70	3/4	5,117.32	3/4		3/4		3/4		3/4		3/4	
2	3,678.62	2	4,040.50	2	4,402.36	2	4,764.24	2	5,124.83	2		2		2		2		2	
1/4	3,686.16	1/4	4,048.04	1/4	4,409.90	1/4	4,771.77	1/4	5,132.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.70	1/2	4,055.57	1/2	4,417.44	1/2	4,779.31	1/2	5,139.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.24	3/4	4,063.11	3/4	4,424.98	3/4	4,786.85	3/4	5,147.37	3/4		3/4		3/4		3/4		3/4	
3	3,708.79	3	4,070.64	3	4,432.52	3	4,794.38	3	5,154.88	3		3		3		3		3	
1/4	3,716.32	1/4	4,078.18	1/4	4,440.06	1/4	4,801.90	1/4	5,162.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,723.86	1/2	4,085.73	1/2	4,447.60	1/2	4,809.42	1/2	5,169.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,731.39	3/4	4,093.27	3/4	4,455.13	3/4	4,816.93	3/4	5,177.40	3/4		3/4		3/4		3/4		3/4	
4	3,738.93	4	4,100.81	4	4,462.67	4	4,824.45	4	5,184.90	4		4		4		4		4	
1/4	3,746.47	1/4	4,108.35	1/4	4,470.21	1/4	4,831.96	1/4	5,192.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,754.01	1/2	4,115.88	1/2	4,477.75	1/2	4,839.46	1/2	5,199.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,761.55	3/4	4,123.42	3/4	4,485.29	3/4	4,846.97	3/4	5,207.44	3/4		3/4		3/4		3/4		3/4	
5	3,769.10	5	4,130.95	5	4,492.83	5	4,854.48	5	5,214.95	5		5		5		5		5	
1/4	3,776.63	1/4	4,138.49	1/4	4,500.37	1/4	4,861.99	1/4	5,221.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,784.17	1/2	4,146.04	1/2	4,507.90	1/2	4,869.50	1/2	5,228.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,791.70	3/4	4,153.58	3/4	4,515.44	3/4	4,877.01	3/4	5,235.93	3/4		3/4		3/4		3/4		3/4	
6	3,799.24	6	4,161.12	6	4,522.98	6	4,884.52	6	5,242.93	6		6		6		6		6	
1/4	3,806.78	1/4	4,168.65	1/4	4,530.52	1/4	4,892.03	1/4	5,248.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,814.32	1/2	4,176.19	1/2	4,538.06	1/2	4,899.54	1/2	5,254.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,821.86	3/4	4,183.73	3/4	4,545.60	3/4	4,907.04	3/4	5,260.16	3/4		3/4		3/4		3/4		3/4	
7	3,829.40	7	4,191.26	7	4,553.14	7	4,914.55	7	5,265.90	7		7		7		7		7	
1/4	3,836.94	1/4	4,198.80	1/4	4,560.68	1/4	4,922.06	1/4	5,270.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,844.48	1/2	4,206.35	1/2	4,568.21	1/2	4,929.57	1/2	5,274.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,852.01	3/4	4,213.89	3/4	4,575.75	3/4	4,937.08	3/4	5,279.35	3/4		3/4		3/4		3/4		3/4	
8	3,859.55	8	4,221.43	8	4,583.29	8	4,944.60	8	5,283.83	8		8		8		8		8	
1/4	3,867.09	1/4	4,228.96	1/4	4,590.83	1/4	4,952.11	1/4	5,287.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,874.63	1/2	4,236.50	1/2	4,598.37	1/2	4,959.62	1/2	5,290.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,882.17	3/4	4,244.04	3/4	4,605.91	3/4	4,967.13	3/4	5,293.53	3/4		3/4		3/4		3/4		3/4	
9	3,889.71	9	4,251.57	9	4,613.45	9	4,974.64	9	5,296.76	9		9		9		9		9	
1/4	3,897.25	1/4	4,259.11	1/4	4,620.99	1/4	4,982.15	1/4	5,298.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,904.79	1/2	4,266.65	1/2	4,628.54	1/2	4,989.65	1/2	5,300.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,912.32	3/4	4,274.20	3/4	4,636.08	3/4	4,997.16	3/4	5,302.74	3/4		3/4		3/4		3/4		3/4	
10	3,919.86	10	4,281.74	10	4,643.62	10	5,004.67	10	5,304.74	10		10		10		10		10	
1/4	3,927.40	1/4	4,289.28	1/4	4,651.15	1/4	5,012.18	1/4	5,305.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,934.94	1/2	4,296.82	1/2	4,658.69	1/2	5,019.69	1/2	5,306.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,942.48	3/4	4,304.36	3/4	4,666.23	3/4	5,027.20	3/4	5,306.97	3/4		3/4		3/4		3/4		3/4	
11	3,950.02	11	4,311.90	11	4,673.76	11	5,034.71	11	5,307.71	11		11		11		11		11	
1/4	3,957.57	1/4	4,319.44	1/4	4,681.30	1/4	5,042.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,965.11	1/2	4,326.98	1/2	4,688.85	1/2	5,049.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,972.65	3/4	4,334.51	3/4	4,696.39	3/4	5,057.23	3/4		3/4		3/4		3/4		3/4		3/4	

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DECK MEASUREMENTS: 2/17/2017 CL SW  
REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3002"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.90	0	361.10	0	721.55	0	1,081.98	0	1,442.43	0	1,802.93	0	2,163.43	0	2,523.90	0	2,884.40	0	3,244.79
1/4	26.21	1/4	368.60	1/4	729.05	1/4	1,089.48	1/4	1,449.94	1/4	1,810.44	1/4	2,170.93	1/4	2,531.42	1/4	2,891.91	1/4	3,252.29
1/2	30.51	1/2	376.11	1/2	736.56	1/2	1,096.99	1/2	1,457.45	1/2	1,817.95	1/2	2,178.44	1/2	2,538.93	1/2	2,899.42	1/2	3,259.80
3/4	34.82	3/4	383.61	3/4	744.07	3/4	1,104.49	3/4	1,464.96	3/4	1,825.46	3/4	2,185.95	3/4	2,546.44	3/4	2,906.92	3/4	3,267.30
1	39.12	1	391.12	1	751.57	1	1,112.00	1	1,472.48	1	1,832.98	1	2,193.45	1	2,553.95	1	2,914.43	1	3,274.81
1/4	44.67	1/4	398.63	1/4	759.08	1/4	1,119.51	1/4	1,479.99	1/4	1,840.48	1/4	2,200.96	1/4	2,561.46	1/4	2,921.94	1/4	3,282.32
1/2	50.23	1/2	406.14	1/2	766.60	1/2	1,127.01	1/2	1,487.50	1/2	1,847.99	1/2	2,208.48	1/2	2,568.98	1/2	2,929.45	1/2	3,289.82
3/4	55.78	3/4	413.65	3/4	774.11	3/4	1,134.52	3/4	1,495.01	3/4	1,855.49	3/4	2,215.99	3/4	2,576.49	3/4	2,936.96	3/4	3,297.33
2	61.33	2	421.17	2	781.62	2	1,142.02	2	1,502.52	2	1,863.00	2	2,223.50	2	2,584.00	2	2,944.48	2	3,304.83
1/4	68.14	1/4	428.67	1/4	789.13	1/4	1,149.54	1/4	1,510.03	1/4	1,870.51	1/4	2,231.01	1/4	2,591.51	1/4	2,951.98	1/4	3,312.35
1/2	74.94	1/2	436.18	1/2	796.64	1/2	1,157.05	1/2	1,517.54	1/2	1,878.02	1/2	2,238.52	1/2	2,599.02	1/2	2,959.49	1/2	3,319.86
3/4	81.74	3/4	443.68	3/4	804.15	3/4	1,164.56	3/4	1,525.04	3/4	1,885.54	3/4	2,246.04	3/4	2,606.54	3/4	2,966.99	3/4	3,327.37
3	88.55	3	451.19	3	811.67	3	1,172.07	3	1,532.55	3	1,893.05	3	2,253.55	3	2,614.05	3	2,974.50	3	3,334.88
1/4	96.61	1/4	458.70	1/4	819.17	1/4	1,179.58	1/4	1,540.06	1/4	1,900.56	1/4	2,261.06	1/4	2,621.55	1/4	2,982.01	1/4	3,342.39
1/2	104.67	1/2	466.21	1/2	826.68	1/2	1,187.08	1/2	1,547.57	1/2	1,908.07	1/2	2,268.57	1/2	2,629.06	1/2	2,989.51	1/2	3,349.89
3/4	112.73	3/4	473.73	3/4	834.18	3/4	1,194.59	3/4	1,555.08	3/4	1,915.58	3/4	2,276.08	3/4	2,636.57	3/4	2,997.02	3/4	3,357.40
4	120.79	4	481.24	4	841.69	4	1,202.10	4	1,562.60	4	1,923.10	4	2,283.60	4	2,644.07	4	3,004.52	4	3,364.90
1/4	128.29	1/4	488.74	1/4	849.20	1/4	1,209.61	1/4	1,570.11	1/4	1,930.61	1/4	2,291.10	1/4	2,651.58	1/4	3,012.04	1/4	3,372.41
1/2	135.80	1/2	496.25	1/2	856.71	1/2	1,217.12	1/2	1,577.62	1/2	1,938.12	1/2	2,298.61	1/2	2,659.10	1/2	3,019.55	1/2	3,379.92
3/4	143.30	3/4	503.76	3/4	864.23	3/4	1,224.63	3/4	1,585.13	3/4	1,945.63	3/4	2,306.11	3/4	2,666.61	3/4	3,027.06	3/4	3,387.42
5	150.81	5	511.26	5	871.74	5	1,232.14	5	1,592.64	5	1,953.14	5	2,313.62	5	2,674.12	5	3,034.57	5	3,394.93
1/4	158.32	1/4	518.77	1/4	879.24	1/4	1,239.65	1/4	1,600.15	1/4	1,960.65	1/4	2,321.13	1/4	2,681.63	1/4	3,042.08	1/4	3,402.43
1/2	165.83	1/2	526.29	1/2	886.75	1/2	1,247.17	1/2	1,607.67	1/2	1,968.15	1/2	2,328.64	1/2	2,689.14	1/2	3,049.58	1/2	3,409.94
3/4	173.35	3/4	533.80	3/4	894.26	3/4	1,254.68	3/4	1,615.18	3/4	1,975.66	3/4	2,336.15	3/4	2,696.65	3/4	3,057.09	3/4	3,417.45
6	180.86	6	541.31	6	901.76	6	1,262.19	6	1,622.69	6	1,983.17	6	2,343.67	6	2,704.17	6	3,064.60	6	3,424.95
1/4	188.37	1/4	548.82	1/4	909.27	1/4	1,269.70	1/4	1,630.20	1/4	1,990.68	1/4	2,351.18	1/4	2,711.68	1/4	3,072.10	1/4	3,432.46
1/2	195.88	1/2	556.33	1/2	916.79	1/2	1,277.21	1/2	1,637.71	1/2	1,998.19	1/2	2,358.69	1/2	2,719.19	1/2	3,079.61	1/2	3,439.98
3/4	203.39	3/4	563.85	3/4	924.30	3/4	1,284.73	3/4	1,645.21	3/4	2,005.70	3/4	2,366.20	3/4	2,726.70	3/4	3,087.11	3/4	3,447.49
7	210.90	7	571.36	7	931.81	7	1,292.24	7	1,652.71	7	2,013.21	7	2,373.71	7	2,734.21	7	3,094.62	7	3,455.00
1/4	218.41	1/4	578.86	1/4	939.32	1/4	1,299.74	1/4	1,660.23	1/4	2,020.73	1/4	2,381.22	1/4	2,741.72	1/4	3,102.13	1/4	3,462.51
1/2	225.92	1/2	586.37	1/2	946.82	1/2	1,307.25	1/2	1,667.74	1/2	2,028.24	1/2	2,388.73	1/2	2,749.23	1/2	3,109.64	1/2	3,470.01
3/4	233.42	3/4	593.87	3/4	954.33	3/4	1,314.76	3/4	1,675.25	3/4	2,035.75	3/4	2,396.23	3/4	2,756.73	3/4	3,117.15	3/4	3,477.52
8	240.93	8	601.38	8	961.83	8	1,322.26	8	1,682.76	8	2,043.26	8	2,403.74	8	2,764.24	8	3,124.67	8	3,485.02
1/4	248.44	1/4	608.89	1/4	969.34	1/4	1,329.77	1/4	1,690.27	1/4	2,050.77	1/4	2,411.25	1/4	2,771.75	1/4	3,132.17	1/4	3,492.53
1/2	255.95	1/2	616.40	1/2	976.84	1/2	1,337.29	1/2	1,697.79	1/2	2,058.27	1/2	2,418.76	1/2	2,779.26	1/2	3,139.68	1/2	3,500.04
3/4	263.46	3/4	623.92	3/4	984.35	3/4	1,344.80	3/4	1,705.30	3/4	2,065.78	3/4	2,426.27	3/4	2,786.77	3/4	3,147.18	3/4	3,507.54
9	270.98	9	631.43	9	991.86	9	1,352.31	9	1,712.81	9	2,073.29	9	2,433.79	9	2,794.29	9	3,154.69	9	3,515.05
1/4	278.48	1/4	638.93	1/4	999.37	1/4	1,359.82	1/4	1,720.32	1/4	2,080.80	1/4	2,441.30	1/4	2,801.80	1/4	3,162.20	1/4	3,519.52
1/2	285.99	1/2	646.44	1/2	1,006.88	1/2	1,367.33	1/2	1,727.82	1/2	2,088.31	1/2	2,448.81	1/2	2,809.31	1/2	3,169.70	1/2	3,523.99
3/4	293.49	3/4	653.95	3/4	1,014.39	3/4	1,374.85	3/4	1,735.33	3/4	2,095.82	3/4	2,456.32	3/4	2,816.82	3/4	3,177.21	3/4	3,528.46
10	301.00	10	661.45	10	1,021.90	10	1,382.36	10	1,742.83	10	2,103.33	10	2,463.83	10	2,824.33	10	3,184.71	10	3,532.93
1/4	308.51	1/4	668.96	1/4	1,029.41	1/4	1,389.86	1/4	1,750.35	1/4	2,110.85	1/4	2,471.35	1/4	2,831.84	1/4	3,192.22	1/4	3,536.96
1/2	316.02	1/2	676.48	1/2	1,036.92	1/2	1,397.37	1/2	1,757.86	1/2	2,118.36	1/2	2,478.86	1/2	2,839.35	1/2	3,199.73	1/2	3,541.00
3/4	323.54	3/4	683.99	3/4	1,044.42	3/4	1,404.87	3/4	1,765.37	3/4	2,125.87	3/4	2,486.37	3/4	2,846.85	3/4	3,207.23	3/4	3,545.04
11	331.05	11	691.50	11	1,051.93	11	1,412.38	11	1,772.88	11	2,133.38	11	2,493.88	11	2,854.36	11	3,214.74	11	3,549.07
1/4	338.56	1/4	699.01	1/4	1,059.44	1/4	1,419.89	1/4	1,780.39	1/4	2,140.89	1/4	2,501.39	1/4	2,861.87	1/4	3,222.25	1/4	3,553.11
1/2	346.07	1/2	706.52	1/2	1,066.95	1/2	1,427.40	1/2	1,787.90	1/2	2,148.40	1/2	2,508.89	1/2	2,869.38	1/2	3,229.76	1/2	3,557.14
3/4	353.58	3/4	714.04	3/4	1,074.46	3/4	1,434.92	3/4	1,795.42	3/4	2,155.92	3/4	2,516.40	3/4	2,876.89	3/4	3,237.27	3/4	3,561.18

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3002"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,565.21	0	3,758.98	0	3,952.71	0	4,146.45	0	4,339.17	0		0		0		0		0	
1/4	3,569.26	1/4	3,763.01	1/4	3,956.75	1/4	4,150.49	1/4	4,343.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.30	1/2	3,767.05	1/2	3,960.79	1/2	4,154.52	1/2	4,347.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.34	3/4	3,771.08	3/4	3,964.82	3/4	4,158.56	3/4	4,351.18	3/4		3/4		3/4		3/4		3/4	
1	3,581.38	1	3,775.12	1	3,968.86	1	4,162.59	1	4,355.19	1		1		1		1		1	
1/4	3,585.42	1/4	3,779.15	1/4	3,972.89	1/4	4,166.63	1/4	4,359.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,589.45	1/2	3,783.19	1/2	3,976.93	1/2	4,170.67	1/2	4,363.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.49	3/4	3,787.23	3/4	3,980.96	3/4	4,174.70	3/4	4,367.21	3/4		3/4		3/4		3/4		3/4	
2	3,597.52	2	3,791.26	2	3,985.00	2	4,178.74	2	4,371.21	2		2		2		2		2	
1/4	3,601.56	1/4	3,795.30	1/4	3,989.04	1/4	4,182.78	1/4	4,375.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.60	1/2	3,799.33	1/2	3,993.07	1/2	4,186.82	1/2	4,379.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.63	3/4	3,803.37	3/4	3,997.11	3/4	4,190.86	3/4	4,383.25	3/4		3/4		3/4		3/4		3/4	
3	3,613.67	3	3,807.40	3	4,001.14	3	4,194.90	3	4,387.26	3		3		3		3		3	
1/4	3,617.70	1/4	3,811.44	1/4	4,005.18	1/4	4,198.91	1/4	4,391.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.74	1/2	3,815.48	1/2	4,009.21	1/2	4,202.92	1/2	4,395.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.77	3/4	3,819.51	3/4	4,013.25	3/4	4,206.92	3/4	4,399.28	3/4		3/4		3/4		3/4		3/4	
4	3,629.81	4	3,823.55	4	4,017.29	4	4,210.93	4	4,403.29	4		4		4		4		4	
1/4	3,633.84	1/4	3,827.58	1/4	4,021.33	1/4	4,214.94	1/4	4,407.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.88	1/2	3,831.62	1/2	4,025.37	1/2	4,218.95	1/2	4,411.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.92	3/4	3,835.65	3/4	4,029.41	3/4	4,222.96	3/4	4,415.30	3/4		3/4		3/4		3/4		3/4	
5	3,645.95	5	3,839.69	5	4,033.45	5	4,226.98	5	4,419.31	5		5		5		5		5	
1/4	3,649.99	1/4	3,843.73	1/4	4,037.49	1/4	4,230.98	1/4	4,423.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.02	1/2	3,847.76	1/2	4,041.52	1/2	4,234.99	1/2	4,426.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.06	3/4	3,851.80	3/4	4,045.56	3/4	4,238.99	3/4	4,430.51	3/4		3/4		3/4		3/4		3/4	
6	3,662.09	6	3,855.83	6	4,049.60	6	4,243.00	6	4,434.24	6		6		6		6		6	
1/4	3,666.13	1/4	3,859.87	1/4	4,053.63	1/4	4,247.01	1/4	4,437.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.17	1/2	3,863.90	1/2	4,057.67	1/2	4,251.01	1/2	4,440.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.20	3/4	3,867.94	3/4	4,061.70	3/4	4,255.02	3/4	4,443.42	3/4		3/4		3/4		3/4		3/4	
7	3,678.24	7	3,871.98	7	4,065.74	7	4,259.02	7	4,446.48	7		7		7		7		7	
1/4	3,682.27	1/4	3,876.02	1/4	4,069.77	1/4	4,263.03	1/4	4,448.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.31	1/2	3,880.06	1/2	4,073.81	1/2	4,267.04	1/2	4,451.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,690.34	3/4	3,884.10	3/4	4,077.85	3/4	4,271.04	3/4	4,453.65	3/4		3/4		3/4		3/4		3/4	
8	3,694.38	8	3,888.14	8	4,081.88	8	4,275.05	8	4,456.05	8		8		8		8		8	
1/4	3,698.42	1/4	3,892.18	1/4	4,085.92	1/4	4,279.05	1/4	4,457.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.45	1/2	3,896.21	1/2	4,089.95	1/2	4,283.06	1/2	4,459.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.49	3/4	3,900.25	3/4	4,093.99	3/4	4,287.06	3/4	4,461.19	3/4		3/4		3/4		3/4		3/4	
9	3,710.52	9	3,904.29	9	4,098.02	9	4,291.07	9	4,462.90	9		9		9		9		9	
1/4	3,714.57	1/4	3,908.32	1/4	4,102.06	1/4	4,295.08	1/4	4,463.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,718.61	1/2	3,912.36	1/2	4,106.09	1/2	4,299.08	1/2	4,465.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.65	3/4	3,916.39	3/4	4,110.13	3/4	4,303.09	3/4	4,466.10	3/4		3/4		3/4		3/4		3/4	
10	3,726.69	10	3,920.43	10	4,114.17	10	4,307.09	10	4,467.17	10		10		10		10		10	
1/4	3,730.73	1/4	3,924.46	1/4	4,118.20	1/4	4,311.10	1/4	4,467.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.76	1/2	3,928.50	1/2	4,122.24	1/2	4,315.11	1/2	4,467.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.80	3/4	3,932.54	3/4	4,126.27	3/4	4,319.11	3/4	4,468.36	3/4		3/4		3/4		3/4		3/4	
11	3,742.83	11	3,936.57	11	4,130.31	11	4,323.12	11	4,468.76	11		11		11		11		11	
1/4	3,746.87	1/4	3,940.61	1/4	4,134.34	1/4	4,327.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,750.90	1/2	3,944.64	1/2	4,138.38	1/2	4,331.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.94	3/4	3,948.68	3/4	4,142.42	3/4	4,335.15	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/23/2011 JLF  
DECK MEASUREMENTS: 2/17/2017 CL SW  
REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3002"

# 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.86	0	360.43	0	720.31	0	1,078.74	0	1,438.05	0	1,797.90	0	2,157.79	0	2,517.67	0	2,877.55	0	3,237.29
1/4	26.14	1/4	367.93	1/4	727.80	1/4	1,086.20	1/4	1,445.54	1/4	1,805.40	1/4	2,165.29	1/4	2,525.17	1/4	2,885.04	1/4	3,244.79
1/2	30.43	1/2	375.43	1/2	735.30	1/2	1,093.65	1/2	1,453.04	1/2	1,812.90	1/2	2,172.79	1/2	2,532.67	1/2	2,892.54	1/2	3,252.29
3/4	34.71	3/4	382.93	3/4	742.79	3/4	1,101.11	3/4	1,460.53	3/4	1,820.40	3/4	2,180.29	3/4	2,540.17	3/4	2,900.03	3/4	3,259.79
1	39.00	1	390.43	1	750.29	1	1,108.57	1	1,468.02	1	1,827.90	1	2,187.79	1	2,547.67	1	2,907.52	1	3,267.29
1/4	44.54	1/4	397.92	1/4	757.79	1/4	1,116.03	1/4	1,475.52	1/4	1,835.40	1/4	2,195.28	1/4	2,555.16	1/4	2,915.02	1/4	3,274.78
1/2	50.08	1/2	405.42	1/2	765.29	1/2	1,123.49	1/2	1,483.02	1/2	1,842.89	1/2	2,202.77	1/2	2,562.65	1/2	2,922.51	1/2	3,282.27
3/4	55.63	3/4	412.91	3/4	772.79	3/4	1,130.95	3/4	1,490.52	3/4	1,850.39	3/4	2,210.27	3/4	2,570.15	3/4	2,930.01	3/4	3,289.77
2	61.17	2	420.40	2	780.29	2	1,138.40	2	1,498.02	2	1,857.88	2	2,217.76	2	2,577.64	2	2,937.50	2	3,297.26
1/4	67.96	1/4	427.90	1/4	787.75	1/4	1,145.90	1/4	1,505.52	1/4	1,865.38	1/4	2,225.26	1/4	2,585.14	1/4	2,944.99	1/4	3,304.76
1/2	74.76	1/2	435.40	1/2	795.21	1/2	1,153.39	1/2	1,513.01	1/2	1,872.88	1/2	2,232.76	1/2	2,592.64	1/2	2,952.49	1/2	3,312.25
3/4	81.56	3/4	442.90	3/4	802.68	3/4	1,160.89	3/4	1,520.51	3/4	1,880.38	3/4	2,240.26	3/4	2,600.14	3/4	2,959.98	3/4	3,319.74
3	88.36	3	450.40	3	810.14	3	1,168.38	3	1,528.00	3	1,887.88	3	2,247.76	3	2,607.64	3	2,967.48	3	3,327.24
1/4	96.22	1/4	457.90	1/4	817.60	1/4	1,175.87	1/4	1,535.50	1/4	1,895.38	1/4	2,255.26	1/4	2,615.14	1/4	2,974.97	1/4	3,334.73
1/2	104.08	1/2	465.39	1/2	825.06	1/2	1,183.36	1/2	1,543.00	1/2	1,902.88	1/2	2,262.75	1/2	2,622.63	1/2	2,982.46	1/2	3,342.23
3/4	111.95	3/4	472.89	3/4	832.52	3/4	1,190.85	3/4	1,550.50	3/4	1,910.38	3/4	2,270.24	3/4	2,630.13	3/4	2,989.96	3/4	3,349.72
4	119.81	4	480.38	4	839.98	4	1,198.33	4	1,558.00	4	1,917.88	4	2,277.74	4	2,637.62	4	2,997.45	4	3,357.21
1/4	127.49	1/4	487.88	1/4	847.44	1/4	1,205.83	1/4	1,565.49	1/4	1,925.38	1/4	2,285.24	1/4	2,645.12	1/4	3,004.95	1/4	3,364.71
1/2	135.17	1/2	495.38	1/2	854.90	1/2	1,213.32	1/2	1,572.99	1/2	1,932.87	1/2	2,292.74	1/2	2,652.62	1/2	3,012.45	1/2	3,372.20
3/4	142.85	3/4	502.88	3/4	862.37	3/4	1,220.82	3/4	1,580.48	3/4	1,940.36	3/4	2,300.24	3/4	2,660.12	3/4	3,019.95	3/4	3,379.70
5	150.52	5	510.38	5	869.83	5	1,228.31	5	1,587.98	5	1,947.86	5	2,307.74	5	2,667.62	5	3,027.45	5	3,387.19
1/4	158.02	1/4	517.88	1/4	877.29	1/4	1,235.80	1/4	1,595.48	1/4	1,955.36	1/4	2,315.24	1/4	2,675.11	1/4	3,034.95	1/4	3,394.68
1/2	165.51	1/2	525.38	1/2	884.75	1/2	1,243.29	1/2	1,602.98	1/2	1,962.86	1/2	2,322.74	1/2	2,682.61	1/2	3,042.44	1/2	3,402.18
3/4	173.01	3/4	532.88	3/4	892.21	3/4	1,250.77	3/4	1,610.48	3/4	1,970.36	3/4	2,330.24	3/4	2,690.10	3/4	3,049.93	3/4	3,409.67
6	180.50	6	540.38	6	899.67	6	1,258.26	6	1,617.98	6	1,977.86	6	2,337.74	6	2,697.60	6	3,057.43	6	3,417.17
1/4	188.00	1/4	547.88	1/4	907.13	1/4	1,265.76	1/4	1,625.47	1/4	1,985.35	1/4	2,345.23	1/4	2,705.10	1/4	3,064.92	1/4	3,424.66
1/2	195.50	1/2	555.37	1/2	914.58	1/2	1,273.25	1/2	1,632.96	1/2	1,992.85	1/2	2,352.73	1/2	2,712.60	1/2	3,072.42	1/2	3,432.15
3/4	203.00	3/4	562.86	3/4	922.04	3/4	1,280.74	3/4	1,640.46	3/4	2,000.34	3/4	2,360.22	3/4	2,720.10	3/4	3,079.91	3/4	3,439.65
7	210.50	7	570.36	7	929.50	7	1,288.24	7	1,647.95	7	2,007.83	7	2,367.71	7	2,727.60	7	3,087.41	7	3,447.14
1/4	217.99	1/4	577.86	1/4	936.96	1/4	1,295.73	1/4	1,655.45	1/4	2,015.33	1/4	2,375.21	1/4	2,735.10	1/4	3,094.90	1/4	3,454.64
1/2	225.49	1/2	585.36	1/2	944.43	1/2	1,303.21	1/2	1,662.95	1/2	2,022.83	1/2	2,382.71	1/2	2,742.60	1/2	3,102.39	1/2	3,462.14
3/4	232.98	3/4	592.86	3/4	951.89	3/4	1,310.70	3/4	1,670.45	3/4	2,030.33	3/4	2,390.21	3/4	2,750.10	3/4	3,109.89	3/4	3,469.64
8	240.48	8	600.36	8	959.36	8	1,318.19	8	1,677.95	8	2,037.83	8	2,397.71	8	2,757.60	8	3,117.38	8	3,477.14
1/4	247.98	1/4	607.85	1/4	966.82	1/4	1,325.68	1/4	1,685.45	1/4	2,045.33	1/4	2,405.21	1/4	2,765.09	1/4	3,124.88	1/4	3,484.64
1/2	255.48	1/2	615.35	1/2	974.27	1/2	1,333.18	1/2	1,692.95	1/2	2,052.82	1/2	2,412.70	1/2	2,772.58	1/2	3,132.37	1/2	3,492.13
3/4	262.98	3/4	622.84	3/4	981.73	3/4	1,340.67	3/4	1,700.45	3/4	2,060.32	3/4	2,420.20	3/4	2,780.08	3/4	3,139.86	3/4	3,499.62
9	270.48	9	630.33	9	989.19	9	1,348.17	9	1,707.95	9	2,067.81	9	2,427.69	9	2,787.57	9	3,147.36	9	3,507.12
1/4	277.97	1/4	637.83	1/4	996.65	1/4	1,355.65	1/4	1,715.45	1/4	2,075.31	1/4	2,435.19	1/4	2,795.07	1/4	3,154.85	1/4	3,514.58
1/2	285.46	1/2	645.33	1/2	1,004.12	1/2	1,363.14	1/2	1,722.94	1/2	2,082.81	1/2	2,442.69	1/2	2,802.57	1/2	3,162.35	1/2	3,522.06
3/4	292.96	3/4	652.83	3/4	1,011.58	3/4	1,370.63	3/4	1,730.43	3/4	2,090.31	3/4	2,450.19	3/4	2,810.07	3/4	3,169.84	3/4	3,529.49
10	300.45	10	660.33	10	1,019.05	10	1,378.12	10	1,737.93	10	2,097.81	10	2,457.69	10	2,817.57	10	3,177.33	10	3,536.95
1/4	307.95	1/4	667.83	1/4	1,026.51	1/4	1,385.61	1/4	1,745.43	1/4	2,105.31	1/4	2,465.18	1/4	2,825.07	1/4	3,184.83	1/4	3,544.42
1/2	315.45	1/2	675.32	1/2	1,033.96	1/2	1,393.11	1/2	1,752.93	1/2	2,112.81	1/2	2,472.68	1/2	2,832.56	1/2	3,192.32	1/2	3,551.90
3/4	322.95	3/4	682.82	3/4	1,041.42	3/4	1,400.60	3/4	1,760.43	3/4	2,120.31	3/4	2,480.17	3/4	2,840.05	3/4	3,199.82	3/4	3,559.37
11	330.45	11	690.31	11	1,048.88	11	1,408.10	11	1,767.93	11	2,127.81	11	2,487.67	11	2,847.55	11	3,207.31	11	3,566.84
1/4	337.95	1/4	697.81	1/4	1,056.35	1/4	1,415.58	1/4	1,775.42	1/4	2,135.30	1/4	2,495.17	1/4	2,855.05	1/4	3,214.80	1/4	3,574.32
1/2	345.44	1/2	705.31	1/2	1,063.81	1/2	1,423.07	1/2	1,782.92	1/2	2,142.80	1/2	2,502.67	1/2	2,862.55	1/2	3,222.30	1/2	3,581.80
3/4	352.93	3/4	712.81	3/4	1,071.27	3/4	1,430.56	3/4	1,790.41	3/4	2,150.29	3/4	2,510.17	3/4	2,870.05	3/4	3,229.79	3/4	3,589.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3002"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,557.21	0	3,750.64	0	3,944.10	0	4,137.55	0	4,329.95	0		0		0		0		0	
1/4	3,561.24	1/4	3,754.68	1/4	3,948.13	1/4	4,141.58	1/4	4,333.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.27	1/2	3,758.72	1/2	3,952.16	1/2	4,145.61	1/2	4,337.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.30	3/4	3,762.75	3/4	3,956.19	3/4	4,149.64	3/4	4,341.95	3/4		3/4		3/4		3/4		3/4	
1	3,573.33	1	3,766.79	1	3,960.22	1	4,153.67	1	4,345.95	1		1		1		1		1	
1/4	3,577.36	1/4	3,770.82	1/4	3,964.25	1/4	4,157.70	1/4	4,349.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.39	1/2	3,774.85	1/2	3,968.28	1/2	4,161.73	1/2	4,353.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.42	3/4	3,778.88	3/4	3,972.31	3/4	4,165.76	3/4	4,357.95	3/4		3/4		3/4		3/4		3/4	
2	3,589.45	2	3,782.91	2	3,976.34	2	4,169.79	2	4,361.95	2		2		2		2		2	
1/4	3,593.48	1/4	3,786.93	1/4	3,980.37	1/4	4,173.82	1/4	4,365.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.51	1/2	3,790.96	1/2	3,984.41	1/2	4,177.85	1/2	4,369.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.54	3/4	3,794.99	3/4	3,988.44	3/4	4,181.88	3/4	4,373.97	3/4		3/4		3/4		3/4		3/4	
3	3,605.57	3	3,799.02	3	3,992.48	3	4,185.91	3	4,377.98	3		3		3		3		3	
1/4	3,609.60	1/4	3,803.05	1/4	3,996.51	1/4	4,189.91	1/4	4,381.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.63	1/2	3,807.08	1/2	4,000.54	1/2	4,193.92	1/2	4,385.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.66	3/4	3,811.11	3/4	4,004.57	3/4	4,197.92	3/4	4,389.98	3/4		3/4		3/4		3/4		3/4	
4	3,621.69	4	3,815.14	4	4,008.60	4	4,201.93	4	4,393.98	4		4		4		4		4	
1/4	3,625.72	1/4	3,819.17	1/4	4,012.63	1/4	4,205.93	1/4	4,397.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.75	1/2	3,823.20	1/2	4,016.66	1/2	4,209.93	1/2	4,401.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.78	3/4	3,827.23	3/4	4,020.68	3/4	4,213.93	3/4	4,405.99	3/4		3/4		3/4		3/4		3/4	
5	3,637.81	5	3,831.26	5	4,024.71	5	4,217.93	5	4,410.00	5		5		5		5		5	
1/4	3,641.84	1/4	3,835.29	1/4	4,028.74	1/4	4,221.93	1/4	4,413.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.87	1/2	3,839.32	1/2	4,032.77	1/2	4,225.93	1/2	4,417.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.90	3/4	3,843.35	3/4	4,036.80	3/4	4,229.93	3/4	4,421.16	3/4		3/4		3/4		3/4		3/4	
6	3,653.93	6	3,847.38	6	4,040.83	6	4,233.93	6	4,424.88	6		6		6		6		6	
1/4	3,657.96	1/4	3,851.41	1/4	4,044.86	1/4	4,237.93	1/4	4,427.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.99	1/2	3,855.44	1/2	4,048.89	1/2	4,241.93	1/2	4,431.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.02	3/4	3,859.47	3/4	4,052.92	3/4	4,245.93	3/4	4,434.06	3/4		3/4		3/4		3/4		3/4	
7	3,670.05	7	3,863.50	7	4,056.95	7	4,249.93	7	4,437.12	7		7		7		7		7	
1/4	3,674.08	1/4	3,867.53	1/4	4,060.98	1/4	4,253.93	1/4	4,439.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.11	1/2	3,871.56	1/2	4,065.01	1/2	4,257.94	1/2	4,441.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,682.14	3/4	3,875.59	3/4	4,069.04	3/4	4,261.95	3/4	4,444.26	3/4		3/4		3/4		3/4		3/4	
8	3,686.17	8	3,879.62	8	4,073.07	8	4,265.95	8	4,446.64	8		8		8		8		8	
1/4	3,690.20	1/4	3,883.65	1/4	4,077.10	1/4	4,269.95	1/4	4,448.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.23	1/2	3,887.68	1/2	4,081.13	1/2	4,273.95	1/2	4,450.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.26	3/4	3,891.71	3/4	4,085.16	3/4	4,277.95	3/4	4,451.79	3/4		3/4		3/4		3/4		3/4	
9	3,702.29	9	3,895.74	9	4,089.19	9	4,281.95	9	4,453.50	9		9		9		9		9	
1/4	3,706.32	1/4	3,899.77	1/4	4,093.22	1/4	4,285.95	1/4	4,454.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,710.35	1/2	3,903.80	1/2	4,097.25	1/2	4,289.95	1/2	4,455.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,714.38	3/4	3,907.83	3/4	4,101.28	3/4	4,293.95	3/4	4,456.70	3/4		3/4		3/4		3/4		3/4	
10	3,718.41	10	3,911.86	10	4,105.31	10	4,297.95	10	4,457.76	10		10		10		10		10	
1/4	3,722.44	1/4	3,915.89	1/4	4,109.34	1/4	4,301.95	1/4	4,458.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,726.47	1/2	3,919.92	1/2	4,113.37	1/2	4,305.95	1/2	4,458.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,730.50	3/4	3,923.95	3/4	4,117.40	3/4	4,309.95	3/4	4,458.96	3/4		3/4		3/4		3/4		3/4	
11	3,734.53	11	3,927.98	11	4,121.43	11	4,313.95	11	4,459.36	11		11		11		11		11	
1/4	3,738.56	1/4	3,932.01	1/4	4,125.46	1/4	4,317.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.59	1/2	3,936.04	1/2	4,129.49	1/2	4,321.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.61	3/4	3,940.07	3/4	4,133.52	3/4	4,325.95	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/23/2011 JLF  
DECK MEASUREMENTS: 2/17/2017 CL SW  
REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3002"

# FUEL TANK

CAPACITIES GIVEN IN WHOLE 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	0	107	0	272	0	433	0		0		0		0		0		0	
1/4	1	1/4	110	1/4	275	1/4	436	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	113	1/2	279	1/2	439	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	116	3/4	282	3/4	441	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	119	1	286	1	444	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	123	1/4	289	1/4	447	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	126	1/2	293	1/2	450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	7	3/4	129	3/4	296	3/4	453	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	8	2	132	2	300	2	456	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	136	1/4	304	1/4	458	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	139	1/2	307	1/2	461	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	13	3/4	142	3/4	311	3/4	464	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	14	3	146	3	314	3	466	3	3	3	3	3	3	3	3	3	3	3	3
1/4	16	1/4	149	1/4	318	1/4	469	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	18	1/2	152	1/2	321	1/2	471	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	20	3/4	156	3/4	325	3/4	474	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	22	4	159	4	328	4	476	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	163	1/4	332	1/4	479	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	26	1/2	166	1/2	335	1/2	481	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	28	3/4	169	3/4	339	3/4	483	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	30	5	173	5	342	5	486	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	176	1/4	345	1/4	488	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	180	1/2	349	1/2	490	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37	3/4	183	3/4	352	3/4	492	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	39	6	187	6	356	6	494	6	6	6	6	6	6	6	6	6	6	6	6
1/4	42	1/4	190	1/4	359	1/4	496	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44	1/2	194	1/2	362	1/2	498	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47	3/4	197	3/4	366	3/4	500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	49	7	201	7	369	7	502	7	7	7	7	7	7	7	7	7	7	7	7
1/4	52	1/4	204	1/4	373	1/4	504	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55	1/2	208	1/2	376	1/2	506	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57	3/4	211	3/4	379	3/4	507	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	60	8	215	8	383	8	509	8	8	8	8	8	8	8	8	8	8	8	8
1/4	63	1/4	218	1/4	386	1/4	510	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65	1/2	222	1/2	389	1/2	512	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68	3/4	225	3/4	392	3/4	513	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	71	9	229	9	396	9	514	9	9	9	9	9	9	9	9	9	9	9	9
1/4	74	1/4	232	1/4	399	1/4	515	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77	1/2	236	1/2	402	1/2	516	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80	3/4	239	3/4	405	3/4	517	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	82	10	243	10	408	10	518	10	10	10	10	10	10	10	10	10	10	10	10
1/4	85	1/4	247	1/4	411	1/4	518	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88	1/2	250	1/2	415	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91	3/4	254	3/4	418	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	94	11	257	11	421	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	97	1/4	261	1/4	424	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	101	1/2	264	1/2	427	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	104	3/4	268	3/4	430	3/4		3/4	3/4	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.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/01/2017 SW  
 CALCULATED: 03/02/2017 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2017

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



# BARGE "NGL 3002"

# SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	0	569	0	1,138	0	1,707	0	2,276	0		0		0		0		0	
1/4	12	1/4	581	1/4	1,150	1/4	1,718	1/4	2,287	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	593	1/2	1,161	1/2	1,730	1/2	2,299	1/2		1/2		1/2		1/2		1/2	
3/4	36	3/4	604	3/4	1,173	3/4	1,742	3/4	2,311	3/4		3/4		3/4		3/4		3/4	
1	47	1	616	1	1,185	1	1,754	1	2,323	1		1		1		1		1	
1/4	59	1/4	628	1/4	1,197	1/4	1,766	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	640	1/2	1,209	1/2	1,778	1/2	2,347	1/2		1/2		1/2		1/2		1/2	
3/4	83	3/4	652	3/4	1,221	3/4	1,790	3/4	2,358	3/4		3/4		3/4		3/4		3/4	
2	95	2	664	2	1,233	2	1,801	2	2,370	2		2		2		2		2	
1/4	107	1/4	676	1/4	1,244	1/4	1,813	1/4	2,382	1/4		1/4		1/4		1/4		1/4	
1/2	119	1/2	687	1/2	1,256	1/2	1,825	1/2	2,394	1/2		1/2		1/2		1/2		1/2	
3/4	130	3/4	699	3/4	1,268	3/4	1,837	3/4	2,406	3/4		3/4		3/4		3/4		3/4	
3	142	3	711	3	1,280	3	1,849	3	2,418	3		3		3		3		3	
1/4	154	1/4	723	1/4	1,292	1/4	1,861	1/4	2,430	1/4		1/4		1/4		1/4		1/4	
1/2	166	1/2	735	1/2	1,304	1/2	1,873	1/2	2,441	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	747	3/4	1,316	3/4	1,884	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
4	190	4	759	4	1,327	4	1,896	4	2,465	4		4		4		4		4	
1/4	201	1/4	770	1/4	1,339	1/4	1,908	1/4	2,477	1/4		1/4		1/4		1/4		1/4	
1/2	213	1/2	782	1/2	1,351	1/2	1,920	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225	3/4	794	3/4	1,363	3/4	1,932	3/4		3/4		3/4		3/4		3/4		3/4	
5	237	5	806	5	1,375	5	1,945	5		5		5		5		5		5	
1/4	249	1/4	818	1/4	1,387	1/4	1,956	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	261	1/2	830	1/2	1,399	1/2	1,967	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	273	3/4	841	3/4	1,410	3/4	1,979	3/4		3/4		3/4		3/4		3/4		3/4	
6	284	6	853	6	1,422	6	1,991	6		6		6		6		6		6	
1/4	296	1/4	865	1/4	1,434	1/4	2,003	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	308	1/2	877	1/2	1,446	1/2	2,015	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	320	3/4	889	3/4	1,458	3/4	2,027	3/4		3/4		3/4		3/4		3/4		3/4	
7	332	7	901	7	1,470	7	2,038	7		7		7		7		7		7	
1/4	344	1/4	913	1/4	1,481	1/4	2,050	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	356	1/2	924	1/2	1,493	1/2	2,062	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	367	3/4	936	3/4	1,505	3/4	2,074	3/4		3/4		3/4		3/4		3/4		3/4	
8	379	8	948	8	1,517	8	2,086	8		8		8		8		8		8	
1/4	391	1/4	960	1/4	1,529	1/4	2,098	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403	1/2	972	1/2	1,541	1/2	2,110	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	984	3/4	1,553	3/4	2,121	3/4		3/4		3/4		3/4		3/4		3/4	
9	427	9	996	9	1,564	9	2,133	9		9		9		9		9		9	
1/4	439	1/4	1,007	1/4	1,576	1/4	2,145	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	450	1/2	1,019	1/2	1,588	1/2	2,157	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	462	3/4	1,031	3/4	1,600	3/4	2,169	3/4		3/4		3/4		3/4		3/4		3/4	
10	474	10	1,043	10	1,612	10	2,181	10		10		10		10		10		10	
1/4	486	1/4	1,055	1/4	1,624	1/4	2,193	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	498	1/2	1,067	1/2	1,636	1/2	2,204	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	510	3/4	1,079	3/4	1,647	3/4	2,216	3/4		3/4		3/4		3/4		3/4		3/4	
11	521	11	1,090	11	1,659	11	2,228	11		11		11		11		11		11	
1/4	533	1/4	1,102	1/4	1,671	1/4	2,240	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	545	1/2	1,114	1/2	1,683	1/2	2,252	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	557	3/4	1,126	3/4	1,695	3/4	2,264	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
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

STRAPPED: 02/17/2017 CL SW  
CALCULATED: 02/17/2017 CL  
PRINTED: 02/20/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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