



# BARGE "MMLP 329"

ULLAGE (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	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
3 PORT	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/4	- 04-1/4	05-1/4	- 05-1/4	06-3/8	- 06-3/8
3 STBD	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/4	- 04-1/4	05-1/4	- 05-1/4	06-3/8	- 06-3/8

(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 2 PORT IS 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

November 11, 2018

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

<http://www.pmacorp.net>



# BARGE "MMLP 329"

ULLAGE (8" HATCH)

	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	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
1 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
2 PORT	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
2 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
3 PORT	01-1/8	- 01-1/8	02-1/4	- 02-1/4	03-1/2	- 03-1/2	04-5/8	- 04-5/8	05-3/4	- 05-3/4	06-7/8	- 06-7/8
3 STBD	01-1/8	- 01-1/8	02-1/4	- 02-1/4	03-1/2	- 03-1/2	04-5/8	- 04-5/8	05-3/4	- 05-3/4	07-0/8	- 07-0/8

(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 2 PORT IS 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

November 11, 2018

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# BARGE "MMLP 329"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,793.86	0	1,436.11	0	1,078.26	0	722.77	0	372.05	0	53.29	0		0		0		0	
1/4	1,786.40	1/4	1,428.65	1/4	1,070.80	1/4	715.36	1/4	364.85	1/4	47.80	1/4		1/4		1/4		1/4	
1/2	1,778.95	1/2	1,421.20	1/2	1,063.35	1/2	707.94	1/2	357.65	1/2	42.32	1/2		1/2		1/2		1/2	
3/4	1,771.50	3/4	1,413.74	3/4	1,055.89	3/4	700.52	3/4	350.53	3/4	37.07	3/4		3/4		3/4		3/4	
1	1,764.04	1	1,406.29	1	1,048.44	1	693.10	1	343.42	1	31.83	1		1		1		1	
1/4	1,756.59	1/4	1,398.83	1/4	1,040.98	1/4	685.68	1/4	336.30	1/4	26.58	1/4		1/4		1/4		1/4	
1/2	1,749.13	1/2	1,391.38	1/2	1,033.53	1/2	678.26	1/2	329.18	1/2	21.34	1/2		1/2		1/2		1/2	
3/4	1,741.68	3/4	1,383.92	3/4	1,026.11	3/4	670.81	3/4	322.11	3/4	17.62	3/4		3/4		3/4		3/4	
2	1,734.23	2	1,376.47	2	1,018.70	2	663.36	2	315.04	2	13.91	2		2		2		2	
1/4	1,726.78	1/4	1,369.01	1/4	1,011.28	1/4	655.92	1/4	307.97	1/4	10.19	1/4		1/4		1/4		1/4	
1/2	1,719.33	1/2	1,361.56	1/2	1,003.86	1/2	648.47	1/2	300.90	1/2	6.48	1/2		1/2		1/2		1/2	
3/4	1,711.88	3/4	1,354.10	3/4	996.46	3/4	641.02	3/4	293.90	3/4		3/4		3/4		3/4		3/4	
3	1,704.43	3	1,346.65	3	989.06	3	633.56	3	286.90	3		3		3		3		3	
1/4	1,696.97	1/4	1,339.19	1/4	981.66	1/4	626.11	1/4	279.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,689.52	1/2	1,331.74	1/2	974.25	1/2	618.65	1/2	272.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,682.07	3/4	1,324.28	3/4	966.86	3/4	611.20	3/4	265.98	3/4		3/4		3/4		3/4		3/4	
4	1,674.62	4	1,316.83	4	959.46	4	603.74	4	259.07	4		4		4		4		4	
1/4	1,667.17	1/4	1,309.37	1/4	952.06	1/4	596.29	1/4	252.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,659.72	1/2	1,301.92	1/2	944.66	1/2	588.83	1/2	245.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,652.27	3/4	1,294.46	3/4	937.27	3/4	581.38	3/4	238.42	3/4		3/4		3/4		3/4		3/4	
5	1,644.82	5	1,287.01	5	929.87	5	573.92	5	231.59	5		5		5		5		5	
1/4	1,637.37	1/4	1,279.55	1/4	922.48	1/4	566.47	1/4	224.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,629.92	1/2	1,272.10	1/2	915.08	1/2	559.01	1/2	217.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,622.46	3/4	1,264.64	3/4	907.69	3/4	551.56	3/4	211.20	3/4		3/4		3/4		3/4		3/4	
6	1,615.01	6	1,257.18	6	900.29	6	544.10	6	204.46	6		6		6		6		6	
1/4	1,607.56	1/4	1,249.73	1/4	892.90	1/4	536.65	1/4	197.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,600.11	1/2	1,242.27	1/2	885.50	1/2	529.19	1/2	190.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.66	3/4	1,234.82	3/4	878.11	3/4	521.74	3/4	184.33	3/4		3/4		3/4		3/4		3/4	
7	1,585.21	7	1,227.36	7	870.71	7	514.28	7	177.68	7		7		7		7		7	
1/4	1,577.75	1/4	1,219.91	1/4	863.32	1/4	506.83	1/4	171.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,570.30	1/2	1,212.45	1/2	855.92	1/2	499.37	1/2	164.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,562.85	3/4	1,205.00	3/4	848.53	3/4	491.92	3/4	157.85	3/4		3/4		3/4		3/4		3/4	
8	1,555.39	8	1,197.54	8	841.13	8	484.46	8	151.33	8		8		8		8		8	
1/4	1,547.94	1/4	1,190.09	1/4	833.74	1/4	477.01	1/4	144.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,540.48	1/2	1,182.63	1/2	826.34	1/2	469.55	1/2	138.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,533.03	3/4	1,175.18	3/4	818.95	3/4	462.62	3/4	131.87	3/4		3/4		3/4		3/4		3/4	
9	1,525.57	9	1,167.72	9	811.55	9	455.70	9	125.45	9		9		9		9		9	
1/4	1,518.12	1/4	1,160.27	1/4	804.16	1/4	448.77	1/4	119.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,510.66	1/2	1,152.81	1/2	796.76	1/2	441.84	1/2	112.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,503.21	3/4	1,145.36	3/4	789.37	3/4	435.12	3/4	106.27	3/4		3/4		3/4		3/4		3/4	
10	1,495.75	10	1,137.90	10	781.97	10	428.41	10	99.94	10		10		10		10		10	
1/4	1,488.30	1/4	1,130.45	1/4	774.58	1/4	421.69	1/4	93.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,480.84	1/2	1,122.99	1/2	767.18	1/2	414.97	1/2	87.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,473.39	3/4	1,115.54	3/4	759.79	3/4	407.84	3/4	81.52	3/4		3/4		3/4		3/4		3/4	
11	1,465.93	11	1,108.08	11	752.39	11	400.71	11	75.76	11		11		11		11		11	
1/4	1,458.48	1/4	1,100.63	1/4	745.00	1/4	393.59	1/4	70.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,451.02	1/2	1,093.17	1/2	737.60	1/2	386.46	1/2	64.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,443.56	3/4	1,085.72	3/4	730.19	3/4	379.26	3/4	58.77	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "MMLP 329"

**1 STBD  
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 15'-02"**

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,778.55	0	1,421.19	0	1,063.73	0	707.27	0	357.20	0	42.25	0		0		0		0	
1/4	1,771.10	1/4	1,413.74	1/4	1,056.28	1/4	699.82	1/4	350.09	1/4	37.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.66	1/2	1,406.29	1/2	1,048.83	1/2	692.38	1/2	342.98	1/2	31.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,756.21	3/4	1,398.85	3/4	1,041.39	3/4	684.93	3/4	335.88	3/4	26.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,748.77	1	1,391.40	1	1,033.94	1	677.48	1	328.77	1	21.30	1	1	1	1	1	1	1	1
1/4	1,741.32	1/4	1,383.95	1/4	1,026.51	1/4	670.04	1/4	321.70	1/4	17.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,733.88	1/2	1,376.51	1/2	1,019.07	1/2	662.59	1/2	314.64	1/2	13.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,726.43	3/4	1,369.06	3/4	1,011.64	3/4	655.14	3/4	307.57	3/4	10.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,718.99	2	1,361.61	2	1,004.21	2	647.70	2	300.51	2	6.46	2	2	2	2	2	2	2	2
1/4	1,711.55	1/4	1,354.16	1/4	996.78	1/4	640.25	1/4	293.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,704.11	1/2	1,346.72	1/2	989.35	1/2	632.80	1/2	286.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,696.66	3/4	1,339.27	3/4	981.92	3/4	625.36	3/4	279.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,689.22	3	1,331.82	3	974.49	3	617.91	3	272.54	3		3	3	3	3	3	3	3	3
1/4	1,681.78	1/4	1,324.38	1/4	967.07	1/4	610.46	1/4	265.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,674.33	1/2	1,316.93	1/2	959.65	1/2	603.01	1/2	258.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,666.89	3/4	1,309.48	3/4	952.23	3/4	595.57	3/4	251.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,659.45	4	1,302.03	4	944.80	4	588.12	4	244.92	4		4	4	4	4	4	4	4	4
1/4	1,652.00	1/4	1,294.59	1/4	937.38	1/4	580.67	1/4	238.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,644.56	1/2	1,287.14	1/2	929.96	1/2	573.23	1/2	231.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,637.12	3/4	1,279.69	3/4	922.54	3/4	565.78	3/4	224.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,629.68	5	1,272.25	5	915.12	5	558.33	5	217.65	5		5	5	5	5	5	5	5	5
1/4	1,622.23	1/4	1,264.80	1/4	907.70	1/4	550.89	1/4	210.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,614.79	1/2	1,257.35	1/2	900.28	1/2	543.44	1/2	204.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,607.35	3/4	1,249.90	3/4	892.86	3/4	535.99	3/4	197.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,599.90	6	1,242.46	6	885.44	6	528.55	6	190.73	6		6	6	6	6	6	6	6	6
1/4	1,592.46	1/4	1,235.01	1/4	878.02	1/4	521.10	1/4	184.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,585.02	1/2	1,227.56	1/2	870.60	1/2	513.65	1/2	177.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,577.57	3/4	1,220.12	3/4	863.18	3/4	506.21	3/4	170.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,570.13	7	1,212.67	7	855.76	7	498.76	7	164.15	7		7	7	7	7	7	7	7	7
1/4	1,562.68	1/4	1,205.22	1/4	848.34	1/4	491.31	1/4	157.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,555.23	1/2	1,197.78	1/2	840.92	1/2	483.87	1/2	151.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,547.79	3/4	1,190.33	3/4	833.50	3/4	476.42	3/4	144.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,540.34	8	1,182.88	8	826.08	8	468.97	8	138.09	8		8	8	8	8	8	8	8	8
1/4	1,532.89	1/4	1,175.43	1/4	818.66	1/4	462.05	1/4	131.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,525.45	1/2	1,167.99	1/2	811.24	1/2	455.13	1/2	125.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,518.00	3/4	1,160.54	3/4	803.82	3/4	448.22	3/4	118.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,510.55	9	1,153.09	9	796.40	9	441.30	9	112.44	9		9	9	9	9	9	9	9	9
1/4	1,503.11	1/4	1,145.65	1/4	788.98	1/4	434.59	1/4	106.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,495.66	1/2	1,138.20	1/2	781.55	1/2	427.88	1/2	99.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.21	3/4	1,130.75	3/4	774.13	3/4	421.16	3/4	93.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,480.77	10	1,123.30	10	766.71	10	414.45	10	87.14	10		10	10	10	10	10	10	10	10
1/4	1,473.32	1/4	1,115.86	1/4	759.29	1/4	407.33	1/4	81.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,465.87	1/2	1,108.41	1/2	751.87	1/2	400.22	1/2	75.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,458.42	3/4	1,100.96	3/4	744.45	3/4	393.10	3/4	69.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,450.98	11	1,093.52	11	737.03	11	385.98	11	64.16	11		11	11	11	11	11	11	11	11
1/4	1,443.53	1/4	1,086.07	1/4	729.59	1/4	378.78	1/4	58.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,436.08	1/2	1,078.62	1/2	722.15	1/2	371.59	1/2	53.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,428.64	3/4	1,071.17	3/4	714.71	3/4	364.39	3/4	47.73	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: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

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





# BARGE "MMLP 329"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,851.90	0	1,496.74	0	1,137.79	0	793.00	0	442.58	0	87.65	0		0		0		0	
1/4	1,844.42	1/4	1,489.26	1/4	1,130.31	1/4	785.86	1/4	435.16	1/4	80.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,836.95	1/2	1,481.78	1/2	1,122.83	1/2	778.72	1/2	427.74	1/2	74.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,829.47	3/4	1,474.30	3/4	1,115.35	3/4	771.57	3/4	420.32	3/4	67.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,822.05	1	1,466.83	1	1,107.87	1	764.43	1	412.90	1	60.82	1	1	1	1	1	1	1	1
1/4	1,814.63	1/4	1,459.35	1/4	1,100.39	1/4	757.28	1/4	405.48	1/4	54.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,807.21	1/2	1,451.87	1/2	1,092.92	1/2	750.13	1/2	398.06	1/2	47.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,799.79	3/4	1,444.39	3/4	1,085.44	3/4	742.98	3/4	390.64	3/4	41.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,792.45	2	1,436.91	2	1,078.22	2	735.59	2	383.17	2	35.91	2	2	2	2	2	2	2	2
1/4	1,785.11	1/4	1,429.44	1/4	1,071.00	1/4	728.19	1/4	375.71	1/4	30.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.77	1/2	1,421.96	1/2	1,063.79	1/2	720.79	1/2	368.25	1/2	25.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.43	3/4	1,414.48	3/4	1,056.57	3/4	713.40	3/4	360.78	3/4	20.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,763.11	3	1,407.00	3	1,049.44	3	705.92	3	353.30	3		3	3	3	3	3	3	3	3
1/4	1,755.79	1/4	1,399.52	1/4	1,042.31	1/4	698.44	1/4	345.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.47	1/2	1,392.04	1/2	1,035.18	1/2	690.96	1/2	338.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,741.15	3/4	1,384.57	3/4	1,028.05	3/4	683.49	3/4	330.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,733.83	4	1,377.09	4	1,020.93	4	676.01	4	323.39	4	4	4	4	4	4	4	4	4	4
1/4	1,726.51	1/4	1,369.61	1/4	1,013.80	1/4	668.53	1/4	315.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,719.19	1/2	1,362.13	1/2	1,006.68	1/2	661.05	1/2	308.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,711.87	3/4	1,354.65	3/4	999.55	3/4	653.57	3/4	300.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,704.55	5	1,347.18	5	992.43	5	646.10	5	293.47	5	5	5	5	5	5	5	5	5	5
1/4	1,697.23	1/4	1,339.70	1/4	985.31	1/4	638.62	1/4	285.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,689.91	1/2	1,332.22	1/2	978.19	1/2	631.14	1/2	278.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,682.59	3/4	1,324.74	3/4	971.07	3/4	623.66	3/4	271.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,675.27	6	1,317.26	6	963.94	6	616.19	6	263.56	6	6	6	6	6	6	6	6	6	6
1/4	1,667.95	1/4	1,309.78	1/4	956.82	1/4	608.71	1/4	256.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.63	1/2	1,302.31	1/2	949.70	1/2	601.23	1/2	248.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.30	3/4	1,294.83	3/4	942.58	3/4	593.75	3/4	241.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,645.93	7	1,287.35	7	935.46	7	586.27	7	233.64	7	7	7	7	7	7	7	7	7	7
1/4	1,638.55	1/4	1,279.87	1/4	928.34	1/4	578.80	1/4	226.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,631.17	1/2	1,272.39	1/2	921.21	1/2	571.32	1/2	218.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,623.79	3/4	1,264.92	3/4	914.09	3/4	563.84	3/4	211.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,616.33	8	1,257.44	8	906.97	8	556.36	8	203.77	8	8	8	8	8	8	8	8	8	8
1/4	1,608.87	1/4	1,249.96	1/4	899.85	1/4	548.88	1/4	196.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.41	1/2	1,242.48	1/2	892.73	1/2	541.41	1/2	188.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,593.96	3/4	1,235.00	3/4	885.60	3/4	533.93	3/4	181.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,586.48	9	1,227.52	9	878.48	9	526.98	9	174.04	9	9	9	9	9	9	9	9	9	9
1/4	1,579.00	1/4	1,220.05	1/4	871.36	1/4	520.03	1/4	166.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,571.52	1/2	1,212.57	1/2	864.24	1/2	513.08	1/2	159.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,564.04	3/4	1,205.09	3/4	857.12	3/4	506.13	3/4	151.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,556.57	10	1,197.61	10	849.99	10	499.36	10	144.36	10	10	10	10	10	10	10	10	10	10
1/4	1,549.09	1/4	1,190.13	1/4	842.87	1/4	492.59	1/4	136.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.61	1/2	1,182.66	1/2	835.75	1/2	485.81	1/2	129.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,534.13	3/4	1,175.18	3/4	828.63	3/4	479.04	3/4	122.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,526.65	11	1,167.70	11	821.51	11	471.78	11	115.17	11	11	11	11	11	11	11	11	11	11
1/4	1,519.17	1/4	1,160.22	1/4	814.39	1/4	464.52	1/4	108.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,511.70	1/2	1,152.74	1/2	807.26	1/2	457.26	1/2	101.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,504.22	3/4	1,145.26	3/4	800.14	3/4	450.01	3/4	94.39	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: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

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





# BARGE "MMLP 329"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	0	5,065.62	0	4,726.33	0	4,368.74	0	4,010.45	0	3,651.81	0	3,293.17	0	2,934.53	0	2,575.90	0	2,217.26	
1/4	1/4	5,061.25	1/4	4,718.88	1/4	4,361.29	1/4	4,002.97	1/4	3,644.34	1/4	3,285.70	1/4	2,927.06	1/4	2,568.43	1/4	2,209.79	
1/2	1/2	5,056.89	1/2	4,711.43	1/2	4,353.84	1/2	3,995.50	1/2	3,636.87	1/2	3,278.23	1/2	2,919.59	1/2	2,560.95	1/2	2,202.32	
3/4	3/4	5,051.45	3/4	4,703.98	3/4	4,346.39	3/4	3,988.03	3/4	3,629.39	3/4	3,270.76	3/4	2,912.12	3/4	2,553.48	3/4	2,194.85	
1	1	5,046.02	1	4,696.53	1	4,338.94	1	3,980.56	1	3,621.92	1	3,263.29	1	2,904.65	1	2,546.01	1	2,187.38	
1/4	1/4	5,040.58	1/4	4,689.08	1/4	4,331.49	1/4	3,973.09	1/4	3,614.45	1/4	3,255.81	1/4	2,897.18	1/4	2,538.54	1/4	2,179.91	
1/2	1/2	5,035.15	1/2	4,681.63	1/2	4,324.04	1/2	3,965.62	1/2	3,606.98	1/2	3,248.34	1/2	2,889.71	1/2	2,531.07	1/2	2,172.43	
3/4	3/4	5,028.54	3/4	4,674.18	3/4	4,316.59	3/4	3,958.14	3/4	3,599.51	3/4	3,240.87	3/4	2,882.23	3/4	2,523.60	3/4	2,164.96	
2	2	5,021.93	2	4,666.73	2	4,309.14	2	3,950.67	2	3,592.04	2	3,233.40	2	2,874.76	2	2,516.13	2	2,157.49	
1/4	1/4	5,015.32	1/4	4,659.28	1/4	4,301.69	1/4	3,943.20	1/4	3,584.56	1/4	3,225.93	1/4	2,867.29	1/4	2,508.65	1/4	2,150.02	
1/2	1/2	5,008.71	1/2	4,651.84	1/2	4,294.24	1/2	3,935.73	1/2	3,577.09	1/2	3,218.46	1/2	2,859.82	1/2	2,501.18	1/2	2,142.55	
3/4	3/4	5,001.42	3/4	4,644.39	3/4	4,286.79	3/4	3,928.26	3/4	3,569.62	3/4	3,210.98	3/4	2,852.35	3/4	2,493.71	3/4	2,135.08	
3	3	4,994.13	3	4,636.94	3	4,279.35	3	3,920.79	3	3,562.15	3	3,203.51	3	2,844.88	3	2,486.24	3	2,127.60	
1/4	1/4	4,986.84	1/4	4,629.49	1/4	4,271.90	1/4	3,913.31	1/4	3,554.68	1/4	3,196.04	1/4	2,837.40	1/4	2,478.77	1/4	2,120.13	
1/2	1/2	4,979.55	1/2	4,622.04	1/2	4,264.45	1/2	3,905.84	1/2	3,547.21	1/2	3,188.57	1/2	2,829.93	1/2	2,471.30	1/2	2,112.66	
3/4	3/4	4,972.11	3/4	4,614.59	3/4	4,256.98	3/4	3,898.37	3/4	3,539.73	3/4	3,181.10	3/4	2,822.46	3/4	2,463.82	3/4	2,105.19	
4	4	4,964.68	4	4,607.14	4	4,249.52	4	3,890.90	4	3,532.26	4	3,173.63	4	2,814.99	4	2,456.35	4	2,097.72	
1/4	1/4	4,957.25	1/4	4,599.69	1/4	4,242.06	1/4	3,883.43	1/4	3,524.79	1/4	3,166.15	1/4	2,807.52	1/4	2,448.88	1/4	2,090.25	
1/2	1/2	4,949.81	1/2	4,592.24	1/2	4,234.59	1/2	3,875.96	1/2	3,517.32	1/2	3,158.68	1/2	2,800.05	1/2	2,441.41	1/2	2,082.78	
3/4	3/4	4,942.37	3/4	4,584.79	3/4	4,227.12	3/4	3,868.48	3/4	3,509.85	3/4	3,151.21	3/4	2,792.57	3/4	2,433.94	3/4	2,075.30	
5	5	4,934.92	5	4,577.34	5	4,219.65	5	3,861.01	5	3,502.38	5	3,143.74	5	2,785.10	5	2,426.47	5	2,067.83	
1/4	1/4	4,927.48	1/4	4,569.89	1/4	4,212.18	1/4	3,853.54	1/4	3,494.90	1/4	3,136.27	1/4	2,777.63	1/4	2,418.99	1/4	2,060.36	
1/2	1/2	4,920.03	1/2	4,562.44	1/2	4,204.71	1/2	3,846.07	1/2	3,487.43	1/2	3,128.80	1/2	2,770.16	1/2	2,411.52	1/2	2,052.89	
3/4	3/4	4,912.58	3/4	4,554.99	3/4	4,197.24	3/4	3,838.60	3/4	3,479.96	3/4	3,121.32	3/4	2,762.69	3/4	2,404.05	3/4	2,045.42	
6	6	4,905.13	6	4,547.54	6	4,189.76	6	3,831.13	6	3,472.49	6	3,113.85	6	2,755.22	6	2,396.58	6	2,037.95	
1/4	1/4	4,897.68	1/4	4,540.09	1/4	4,182.29	1/4	3,823.66	1/4	3,465.02	1/4	3,106.38	1/4	2,747.74	1/4	2,389.11	1/4	2,030.48	
1/2	1/2	4,890.23	1/2	4,532.64	1/2	4,174.82	1/2	3,816.18	1/2	3,457.55	1/2	3,098.91	1/2	2,740.27	1/2	2,381.64	1/2	2,023.00	
3/4	3/4	4,882.78	3/4	4,525.19	3/4	4,167.35	3/4	3,808.71	3/4	3,450.08	3/4	3,091.44	3/4	2,732.80	3/4	2,374.16	3/4	2,015.53	
7	7	4,875.33	7	4,517.74	7	4,159.88	7	3,801.24	7	3,442.60	7	3,083.97	7	2,725.33	7	2,366.69	7	2,008.06	
1/4	1/4	4,867.88	1/4	4,510.29	1/4	4,152.41	1/4	3,793.77	1/4	3,435.13	1/4	3,076.50	1/4	2,717.86	1/4	2,359.22	1/4	2,000.59	
1/2	1/2	4,860.43	1/2	4,502.84	1/2	4,144.93	1/2	3,786.30	1/2	3,427.66	1/2	3,069.02	1/2	2,710.39	1/2	2,351.75	1/2	1,993.12	
3/4	3/4	4,852.98	3/4	4,495.39	3/4	4,137.46	3/4	3,778.83	3/4	3,420.19	3/4	3,061.55	3/4	2,702.92	3/4	2,344.28	3/4	1,985.65	
8	8	4,845.53	8	4,487.94	8	4,129.99	8	3,771.35	8	3,412.72	8	3,054.08	8	2,695.44	8	2,336.81	8	1,978.17	
1/4	1/4	4,838.08	1/4	4,480.49	1/4	4,122.52	1/4	3,763.88	1/4	3,405.25	1/4	3,046.61	1/4	2,687.97	1/4	2,329.34	1/4	1,970.70	
1/2	1/2	4,830.63	1/2	4,473.04	1/2	4,115.05	1/2	3,756.41	1/2	3,397.77	1/2	3,039.14	1/2	2,680.50	1/2	2,321.86	1/2	1,963.23	
3/4	3/4	4,823.18	3/4	4,465.59	3/4	4,107.58	3/4	3,748.94	3/4	3,390.30	3/4	3,031.67	3/4	2,673.03	3/4	2,314.39	3/4	1,955.76	
9	9	4,815.73	9	4,458.14	9	4,100.10	9	3,741.47	9	3,382.83	9	3,024.19	9	2,665.56	9	2,306.92	9	1,948.29	
1/4	1/4	4,808.28	1/4	4,450.69	1/4	4,092.63	1/4	3,734.00	1/4	3,375.36	1/4	3,016.72	1/4	2,658.09	1/4	2,299.45	1/4	1,940.82	
1/2	1/2	4,800.83	1/2	4,443.24	1/2	4,085.16	1/2	3,726.52	1/2	3,367.89	1/2	3,009.25	1/2	2,650.61	1/2	2,291.98	1/2	1,933.35	
3/4	3/4	4,793.38	3/4	4,435.79	3/4	4,077.69	3/4	3,719.05	3/4	3,360.42	3/4	3,001.78	3/4	2,643.14	3/4	2,284.51	3/4	1,925.87	
10	10	4,785.93	10	4,428.34	10	4,070.22	10	3,711.58	10	3,352.94	10	2,994.31	10	2,635.67	10	2,277.03	10	1,918.40	
1/4	1/4	4,778.48	1/4	4,420.89	1/4	4,062.75	1/4	3,704.11	1/4	3,345.47	1/4	2,986.84	1/4	2,628.20	1/4	2,269.56	1/4	1,910.93	
1/2	1/2	4,771.03	1/2	4,413.44	1/2	4,055.27	1/2	3,696.64	1/2	3,338.00	1/2	2,979.36	1/2	2,620.73	1/2	2,262.09	1/2	1,903.46	
3/4	3/4	4,763.58	3/4	4,405.99	3/4	4,047.80	3/4	3,689.17	3/4	3,330.53	3/4	2,971.89	3/4	2,613.26	3/4	2,254.62	3/4	1,895.99	
11	11	4,756.13	11	4,398.54	11	4,040.33	11	3,681.69	11	3,323.06	11	2,964.42	11	2,605.78	11	2,247.15	11	1,888.52	
1/4	1/4	4,748.68	1/4	4,391.09	1/4	4,032.86	1/4	3,674.22	1/4	3,315.59	1/4	2,956.95	1/4	2,598.31	1/4	2,239.68	1/4	1,881.05	
1/2	1/2	4,741.23	1/2	4,383.64	1/2	4,025.39	1/2	3,666.75	1/2	3,308.11	1/2	2,949.48	1/2	2,590.84	1/2	2,232.21	1/2	1,873.57	
3/4	3/4	4,733.78	3/4	4,376.19	3/4	4,017.92	3/4	3,659.28	3/4	3,300.64	3/4	2,942.01	3/4	2,583.37	3/4	2,224.73	3/4	1,866.10	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 AT GAUGE POINT  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "MMLP 329"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,858.63	0	1,503.77	0	1,145.14	0	787.50	0	434.79	0	80.84	0		0		0		0	
1/4	1,851.16	1/4	1,496.30	1/4	1,137.67	1/4	780.03	1/4	427.38	1/4	74.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.69	1/2	1,488.83	1/2	1,130.20	1/2	772.57	1/2	419.96	1/2	67.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.28	3/4	1,481.36	3/4	1,122.73	3/4	765.10	3/4	412.55	3/4	60.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,828.86	1	1,473.89	1	1,115.25	1	757.62	1	405.14	1	54.18	1	1	1	1	1	1	1	1
1/4	1,821.45	1/4	1,466.41	1/4	1,107.78	1/4	750.15	1/4	397.72	1/4	47.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.04	1/2	1,458.94	1/2	1,100.31	1/2	742.68	1/2	390.31	1/2	41.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.70	3/4	1,451.47	3/4	1,092.85	3/4	735.21	3/4	382.85	3/4	35.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,799.37	2	1,444.00	2	1,085.40	2	727.74	2	375.39	2	30.74	2	2	2	2	2	2	2	2
1/4	1,792.04	1/4	1,436.53	1/4	1,077.94	1/4	720.27	1/4	367.93	1/4	25.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.70	1/2	1,429.06	1/2	1,070.48	1/2	712.80	1/2	360.48	1/2	20.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,777.39	3/4	1,421.59	3/4	1,063.03	3/4	705.33	3/4	353.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,770.07	3	1,414.11	3	1,055.57	3	697.85	3	345.53	3		3	3	3	3	3	3	3	3
1/4	1,762.76	1/4	1,406.64	1/4	1,048.12	1/4	690.38	1/4	338.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,755.44	1/2	1,399.17	1/2	1,040.67	1/2	682.91	1/2	330.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,748.13	3/4	1,391.70	3/4	1,033.22	3/4	675.44	3/4	323.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,740.82	4	1,384.23	4	1,025.78	4	667.97	4	315.64	4		4	4	4	4	4	4	4	4
1/4	1,733.50	1/4	1,376.76	1/4	1,018.33	1/4	660.50	1/4	308.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,726.19	1/2	1,369.28	1/2	1,010.88	1/2	653.03	1/2	300.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,718.87	3/4	1,361.81	3/4	1,003.44	3/4	645.55	3/4	293.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,711.56	5	1,354.34	5	995.99	5	638.08	5	285.75	5		5	5	5	5	5	5	5	5
1/4	1,704.24	1/4	1,346.87	1/4	988.55	1/4	630.61	1/4	278.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,696.93	1/2	1,339.40	1/2	981.10	1/2	623.14	1/2	270.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,689.62	3/4	1,331.93	3/4	973.66	3/4	615.67	3/4	263.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,682.30	6	1,324.46	6	966.21	6	608.20	6	255.86	6		6	6	6	6	6	6	6	6
1/4	1,674.99	1/4	1,316.98	1/4	958.77	1/4	600.73	1/4	248.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,667.67	1/2	1,309.51	1/2	951.32	1/2	593.26	1/2	240.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,660.30	3/4	1,302.04	3/4	943.88	3/4	585.78	3/4	233.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,652.93	7	1,294.57	7	936.43	7	578.31	7	225.98	7		7	7	7	7	7	7	7	7
1/4	1,645.55	1/4	1,287.10	1/4	928.99	1/4	570.84	1/4	218.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,638.18	1/2	1,279.63	1/2	921.54	1/2	563.37	1/2	211.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,630.73	3/4	1,272.16	3/4	914.10	3/4	555.90	3/4	203.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,623.28	8	1,264.68	8	906.65	8	548.43	8	196.17	8		8	8	8	8	8	8	8	8
1/4	1,615.82	1/4	1,257.21	1/4	899.21	1/4	540.96	1/4	188.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,608.37	1/2	1,249.74	1/2	891.76	1/2	533.49	1/2	181.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,600.90	3/4	1,242.27	3/4	884.32	3/4	526.54	3/4	173.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,593.43	9	1,234.80	9	876.87	9	519.60	9	166.49	9		9	9	9	9	9	9	9	9
1/4	1,585.96	1/4	1,227.33	1/4	869.43	1/4	512.65	1/4	159.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,578.49	1/2	1,219.85	1/2	861.98	1/2	505.71	1/2	151.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,571.02	3/4	1,212.38	3/4	854.54	3/4	498.94	3/4	144.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,563.54	10	1,204.91	10	847.09	10	492.17	10	136.83	10		10	10	10	10	10	10	10	10
1/4	1,556.07	1/4	1,197.44	1/4	839.65	1/4	485.40	1/4	129.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,548.60	1/2	1,189.97	1/2	832.20	1/2	478.63	1/2	122.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,541.13	3/4	1,182.50	3/4	824.76	3/4	471.38	3/4	115.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,533.66	11	1,175.03	11	817.31	11	464.13	11	108.16	11		11	11	11	11	11	11	11	11
1/4	1,526.19	1/4	1,167.55	1/4	809.87	1/4	456.87	1/4	101.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,518.71	1/2	1,160.08	1/2	802.42	1/2	449.62	1/2	94.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,511.24	3/4	1,152.61	3/4	794.96	3/4	442.21	3/4	87.57	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: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

PRECISION MEASUREMENT  
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# BARGE "MMLP 329"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	0	4,106.09	0	3,988.51	0	3,853.55	0	3,717.67	0	3,581.37	0	3,259.04	0	2,902.74	0	2,546.32	0	2,189.63	
1/4	1/4	4,105.77	1/4	3,985.70	1/4	3,850.74	1/4	3,714.83	1/4	3,578.53	1/4	3,251.61	1/4	2,895.32	1/4	2,538.88	1/4	2,182.25	
1/2	1/2	4,105.45	1/2	3,982.89	1/2	3,847.93	1/2	3,711.99	1/2	3,575.69	1/2	3,244.19	1/2	2,887.90	1/2	2,531.44	1/2	2,174.87	
3/4	3/4	4,104.71	3/4	3,980.07	3/4	3,845.12	3/4	3,709.15	3/4	3,572.86	3/4	3,236.77	3/4	2,880.47	3/4	2,524.01	3/4	2,167.51	
1	1	4,103.96	1	3,977.26	1	3,842.31	1	3,706.31	1	3,570.02	1	3,229.35	1	2,873.05	1	2,516.57	1	2,160.15	
1/4	1/4	4,103.22	1/4	3,974.45	1/4	3,839.49	1/4	3,703.46	1/4	3,567.18	1/4	3,221.92	1/4	2,865.63	1/4	2,509.13	1/4	2,152.79	
1/2	1/2	4,102.48	1/2	3,971.64	1/2	3,836.68	1/2	3,700.62	1/2	3,564.34	1/2	3,214.50	1/2	2,858.21	1/2	2,501.69	1/2	2,145.43	
3/4	3/4	4,100.52	3/4	3,968.83	3/4	3,833.87	3/4	3,697.78	3/4	3,558.12	3/4	3,207.08	3/4	2,850.78	3/4	2,494.26	3/4	2,138.06	
2	2	4,098.56	2	3,966.02	2	3,831.06	2	3,694.94	2	3,551.90	2	3,199.65	2	2,843.36	2	2,486.82	2	2,130.70	
1/4	1/4	4,096.60	1/4	3,963.20	1/4	3,828.25	1/4	3,692.10	1/4	3,545.68	1/4	3,192.23	1/4	2,835.94	1/4	2,479.38	1/4	2,123.34	
1/2	1/2	4,094.64	1/2	3,960.39	1/2	3,825.44	1/2	3,689.26	1/2	3,539.47	1/2	3,184.81	1/2	2,828.51	1/2	2,471.94	1/2	2,115.98	
3/4	3/4	4,091.98	3/4	3,957.58	3/4	3,822.62	3/4	3,686.42	3/4	3,532.12	3/4	3,177.39	3/4	2,821.09	3/4	2,464.51	3/4	2,108.62	
3	3	4,089.33	3	3,954.77	3	3,819.81	3	3,683.58	3	3,524.78	3	3,169.96	3	2,813.67	3	2,457.07	3	2,101.26	
1/4	1/4	4,086.68	1/4	3,951.96	1/4	3,817.00	1/4	3,680.74	1/4	3,517.43	1/4	3,162.54	1/4	2,806.25	1/4	2,449.63	1/4	2,093.90	
1/2	1/2	4,084.03	1/2	3,949.15	1/2	3,814.19	1/2	3,677.90	1/2	3,510.09	1/2	3,155.12	1/2	2,798.82	1/2	2,442.20	1/2	2,086.53	
3/4	3/4	4,081.23	3/4	3,946.34	3/4	3,811.36	3/4	3,675.06	3/4	3,502.74	3/4	3,147.70	3/4	2,791.40	3/4	2,434.76	3/4	2,079.17	
4	4	4,078.44	4	3,943.52	4	3,808.53	4	3,672.22	4	3,495.40	4	3,140.27	4	2,783.98	4	2,427.33	4	2,071.81	
1/4	1/4	4,075.64	1/4	3,940.71	1/4	3,805.71	1/4	3,669.38	1/4	3,488.05	1/4	3,132.85	1/4	2,776.56	1/4	2,419.90	1/4	2,064.45	
1/2	1/2	4,072.85	1/2	3,937.90	1/2	3,802.88	1/2	3,666.54	1/2	3,480.71	1/2	3,125.43	1/2	2,769.13	1/2	2,412.47	1/2	2,057.09	
3/4	3/4	4,070.04	3/4	3,935.09	3/4	3,800.04	3/4	3,663.70	3/4	3,473.36	3/4	3,118.00	3/4	2,761.71	3/4	2,405.03	3/4	2,049.73	
5	5	4,067.23	5	3,932.28	5	3,797.20	5	3,660.86	5	3,466.02	5	3,110.58	5	2,754.29	5	2,397.60	5	2,042.37	
1/4	1/4	4,064.42	1/4	3,929.47	1/4	3,794.36	1/4	3,658.02	1/4	3,458.67	1/4	3,103.16	1/4	2,746.86	1/4	2,390.17	1/4	2,035.00	
1/2	1/2	4,061.61	1/2	3,926.65	1/2	3,791.52	1/2	3,655.18	1/2	3,451.33	1/2	3,095.74	1/2	2,739.44	1/2	2,382.74	1/2	2,027.64	
3/4	3/4	4,058.80	3/4	3,923.84	3/4	3,788.68	3/4	3,652.34	3/4	3,443.98	3/4	3,088.31	3/4	2,732.02	3/4	2,375.31	3/4	2,020.28	
6	6	4,055.99	6	3,921.03	6	3,785.84	6	3,649.50	6	3,436.64	6	3,080.89	6	2,724.60	6	2,367.88	6	2,012.92	
1/4	1/4	4,053.18	1/4	3,918.22	1/4	3,783.00	1/4	3,646.66	1/4	3,429.29	1/4	3,073.47	1/4	2,717.17	1/4	2,360.45	1/4	2,005.56	
1/2	1/2	4,050.36	1/2	3,915.41	1/2	3,780.16	1/2	3,643.83	1/2	3,421.95	1/2	3,066.04	1/2	2,709.75	1/2	2,353.01	1/2	1,998.20	
3/4	3/4	4,047.55	3/4	3,912.60	3/4	3,777.32	3/4	3,640.99	3/4	3,414.60	3/4	3,058.62	3/4	2,702.33	3/4	2,345.58	3/4	1,990.83	
7	7	4,044.74	7	3,909.78	7	3,774.48	7	3,638.15	7	3,407.26	7	3,051.20	7	2,694.90	7	2,338.15	7	1,983.47	
1/4	1/4	4,041.93	1/4	3,906.97	1/4	3,771.64	1/4	3,635.31	1/4	3,399.92	1/4	3,043.78	1/4	2,687.48	1/4	2,330.72	1/4	1,976.11	
1/2	1/2	4,039.12	1/2	3,904.16	1/2	3,768.80	1/2	3,632.47	1/2	3,392.57	1/2	3,036.35	1/2	2,680.06	1/2	2,323.29	1/2	1,968.75	
3/4	3/4	4,036.31	3/4	3,901.35	3/4	3,765.96	3/4	3,629.63	3/4	3,385.17	3/4	3,028.93	3/4	2,672.64	3/4	2,315.86	3/4	1,961.39	
8	8	4,033.49	8	3,898.54	8	3,763.12	8	3,626.79	8	3,377.76	8	3,021.51	8	2,665.21	8	2,308.43	8	1,954.03	
1/4	1/4	4,030.68	1/4	3,895.73	1/4	3,760.27	1/4	3,623.95	1/4	3,370.36	1/4	3,014.08	1/4	2,657.79	1/4	2,301.00	1/4	1,946.67	
1/2	1/2	4,027.87	1/2	3,892.91	1/2	3,757.43	1/2	3,621.12	1/2	3,362.96	1/2	3,006.66	1/2	2,650.37	1/2	2,293.56	1/2	1,939.30	
3/4	3/4	4,025.06	3/4	3,890.10	3/4	3,754.59	3/4	3,618.28	3/4	3,355.53	3/4	2,999.24	3/4	2,642.94	3/4	2,286.13	3/4	1,931.94	
9	9	4,022.25	9	3,887.29	9	3,751.75	9	3,615.44	9	3,348.11	9	2,991.82	9	2,635.52	9	2,278.70	9	1,924.58	
1/4	1/4	4,019.44	1/4	3,884.48	1/4	3,748.91	1/4	3,612.60	1/4	3,340.69	1/4	2,984.39	1/4	2,628.10	1/4	2,271.27	1/4	1,917.22	
1/2	1/2	4,016.63	1/2	3,881.67	1/2	3,746.07	1/2	3,609.76	1/2	3,333.27	1/2	2,976.97	1/2	2,620.68	1/2	2,263.84	1/2	1,909.86	
3/4	3/4	4,013.81	3/4	3,878.86	3/4	3,743.23	3/4	3,606.92	3/4	3,325.84	3/4	2,969.55	3/4	2,613.24	3/4	2,256.41	3/4	1,902.50	
10	10	4,011.00	10	3,876.05	10	3,740.39	10	3,604.08	10	3,318.42	10	2,962.13	10	2,605.81	10	2,248.98	10	1,895.14	
1/4	1/4	4,008.19	1/4	3,873.23	1/4	3,737.55	1/4	3,601.24	1/4	3,311.00	1/4	2,954.70	1/4	2,598.37	1/4	2,241.55	1/4	1,887.77	
1/2	1/2	4,005.38	1/2	3,870.42	1/2	3,734.71	1/2	3,598.41	1/2	3,303.57	1/2	2,947.28	1/2	2,590.94	1/2	2,234.11	1/2	1,880.41	
3/4	3/4	4,002.57	3/4	3,867.61	3/4	3,731.87	3/4	3,595.57	3/4	3,296.15	3/4	2,939.86	3/4	2,583.50	3/4	2,226.68	3/4	1,873.05	
11	11	3,999.76	11	3,864.80	11	3,729.03	11	3,592.73	11	3,288.73	11	2,932.43	11	2,576.07	11	2,219.25	11	1,865.69	
1/4	1/4	3,996.94	1/4	3,861.99	1/4	3,726.19	1/4	3,589.89	1/4	3,281.31	1/4	2,925.01	1/4	2,568.63	1/4	2,211.82	1/4	1,858.33	
1/2	1/2	3,994.13	1/2	3,859.18	1/2	3,723.35	1/2	3,587.05	1/2	3,273.88	1/2	2,917.59	1/2	2,561.19	1/2	2,204.39	1/2	1,850.97	
3/4	3/4	3,991.32	3/4	3,856.36	3/4	3,720.51	3/4	3,584.21	3/4	3,266.46	3/4	2,910.17	3/4	2,553.75	3/4	2,197.01	3/4	1,843.55	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 AT GAUGE POINT  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 63'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 65'-09" FORWARD OF AFT BULKHEAD

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





# BARGE "MMLP 329"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,836.13	0	1,483.22	0	1,126.30	0	781.94	0	433.04	0	80.62	0		0		0		0	
1/4	1,828.72	1/4	1,475.78	1/4	1,118.86	1/4	774.80	1/4	425.68	1/4	73.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.30	1/2	1,468.35	1/2	1,111.43	1/2	767.65	1/2	418.32	1/2	67.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.93	3/4	1,460.91	3/4	1,103.99	3/4	760.50	3/4	410.96	3/4	60.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,806.55	1	1,453.47	1	1,096.56	1	753.34	1	403.60	1	54.05	1	1	1	1	1	1	1	1
1/4	1,799.18	1/4	1,446.04	1/4	1,089.12	1/4	746.19	1/4	396.24	1/4	47.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.80	1/2	1,438.60	1/2	1,081.68	1/2	739.04	1/2	388.88	1/2	40.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,784.51	3/4	1,431.17	3/4	1,074.47	3/4	731.67	3/4	381.48	3/4	35.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,777.21	2	1,423.73	2	1,067.26	2	724.30	2	374.07	2	30.66	2	2	2	2	2	2	2	2
1/4	1,769.92	1/4	1,416.29	1/4	1,060.05	1/4	716.93	1/4	366.67	1/4	25.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,762.62	1/2	1,408.86	1/2	1,052.84	1/2	709.57	1/2	359.27	1/2	20.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.34	3/4	1,401.42	3/4	1,045.71	3/4	702.13	3/4	351.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,748.07	3	1,393.99	3	1,038.57	3	694.68	3	344.41	3		3	3	3	3	3	3	3	3
1/4	1,740.79	1/4	1,386.55	1/4	1,031.44	1/4	687.24	1/4	336.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,733.51	1/2	1,379.12	1/2	1,024.30	1/2	679.80	1/2	329.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,726.24	3/4	1,371.68	3/4	1,017.18	3/4	672.36	3/4	322.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,718.96	4	1,364.24	4	1,010.05	4	664.92	4	314.68	4		4	4	4	4	4	4	4	4
1/4	1,711.69	1/4	1,356.81	1/4	1,002.92	1/4	657.48	1/4	307.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,704.41	1/2	1,349.37	1/2	995.79	1/2	650.04	1/2	299.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,697.13	3/4	1,341.94	3/4	988.66	3/4	642.60	3/4	292.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,689.86	5	1,334.50	5	981.54	5	635.16	5	284.92	5		5	5	5	5	5	5	5	5
1/4	1,682.58	1/4	1,327.06	1/4	974.41	1/4	627.72	1/4	277.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,675.30	1/2	1,319.63	1/2	967.28	1/2	620.28	1/2	270.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,668.03	3/4	1,312.19	3/4	960.15	3/4	612.84	3/4	262.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,660.75	6	1,304.76	6	953.03	6	605.40	6	255.15	6		6	6	6	6	6	6	6	6
1/4	1,653.48	1/4	1,297.32	1/4	945.90	1/4	597.96	1/4	247.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.20	1/2	1,289.89	1/2	938.77	1/2	590.52	1/2	240.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.86	3/4	1,282.45	3/4	931.65	3/4	583.08	3/4	232.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,631.53	7	1,275.01	7	924.52	7	575.64	7	225.36	7		7	7	7	7	7	7	7	7
1/4	1,624.19	1/4	1,267.58	1/4	917.39	1/4	568.20	1/4	217.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,616.86	1/2	1,260.14	1/2	910.27	1/2	560.76	1/2	210.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,609.45	3/4	1,252.71	3/4	903.14	3/4	553.32	3/4	203.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,602.05	8	1,245.27	8	896.01	8	545.88	8	195.63	8		8	8	8	8	8	8	8	8
1/4	1,594.64	1/4	1,237.84	1/4	888.89	1/4	538.45	1/4	188.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,587.24	1/2	1,230.40	1/2	881.76	1/2	531.01	1/2	180.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,579.82	3/4	1,222.96	3/4	874.63	3/4	524.11	3/4	173.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,572.40	9	1,215.53	9	867.51	9	517.21	9	166.03	9		9	9	9	9	9	9	9	9
1/4	1,564.98	1/4	1,208.09	1/4	860.38	1/4	510.30	1/4	158.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,557.56	1/2	1,200.66	1/2	853.25	1/2	503.40	1/2	151.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,550.13	3/4	1,193.22	3/4	846.13	3/4	496.69	3/4	143.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,542.69	10	1,185.78	10	839.00	10	489.97	10	136.45	10		10	10	10	10	10	10	10	10
1/4	1,535.26	1/4	1,178.35	1/4	831.87	1/4	483.26	1/4	129.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,527.83	1/2	1,170.91	1/2	824.75	1/2	476.55	1/2	121.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,520.40	3/4	1,163.48	3/4	817.62	3/4	469.35	3/4	114.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,512.96	11	1,156.04	11	810.49	11	462.15	11	107.86	11		11	11	11	11	11	11	11	11
1/4	1,505.52	1/4	1,148.61	1/4	803.37	1/4	454.95	1/4	100.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,498.09	1/2	1,141.17	1/2	796.24	1/2	447.76	1/2	94.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,490.65	3/4	1,133.73	3/4	789.09	3/4	440.40	3/4	87.34	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: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

PRECISION MEASUREMENT  
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# BARGE "MMLP 329"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	4,122.42	0	3,999.88	0	3,864.96	0	3,729.05	0	3,592.79	0	3,261.37	0	2,905.16	0	2,548.80	0	2,192.08	
1/4	1/4	4,121.68	1/4	3,997.07	1/4	3,862.15	1/4	3,726.21	1/4	3,589.96	1/4	3,253.95	1/4	2,897.74	1/4	2,541.36	1/4	2,184.64	
1/2	1/2	4,120.93	1/2	3,994.26	1/2	3,859.34	1/2	3,723.37	1/2	3,587.12	1/2	3,246.53	1/2	2,890.32	1/2	2,533.93	1/2	2,177.21	
3/4	3/4	4,120.19	3/4	3,991.45	3/4	3,856.53	3/4	3,720.53	3/4	3,584.28	3/4	3,239.11	3/4	2,882.90	3/4	2,526.49	3/4	2,169.77	
1	1	4,119.45	1	3,988.64	1	3,853.72	1	3,717.69	1	3,581.44	1	3,231.69	1	2,875.48	1	2,519.05	1	2,162.33	
1/4	1/4	4,117.49	1/4	3,985.83	1/4	3,850.91	1/4	3,714.85	1/4	3,575.22	1/4	3,224.27	1/4	2,868.06	1/4	2,511.62	1/4	2,154.90	
1/2	1/2	4,115.53	1/2	3,983.02	1/2	3,848.10	1/2	3,712.01	1/2	3,569.01	1/2	3,216.85	1/2	2,860.64	1/2	2,504.18	1/2	2,147.46	
3/4	3/4	4,113.57	3/4	3,980.21	3/4	3,845.28	3/4	3,709.17	3/4	3,562.79	3/4	3,209.43	3/4	2,853.22	3/4	2,496.75	3/4	2,140.02	
2	2	4,111.61	2	3,977.40	2	3,842.47	2	3,706.33	2	3,556.57	2	3,202.00	2	2,845.80	2	2,489.31	2	2,132.59	
1/4	1/4	4,108.96	1/4	3,974.59	1/4	3,839.66	1/4	3,703.49	1/4	3,549.23	1/4	3,194.58	1/4	2,838.38	1/4	2,481.88	1/4	2,125.15	
1/2	1/2	4,106.30	1/2	3,971.78	1/2	3,836.85	1/2	3,700.65	1/2	3,541.89	1/2	3,187.16	1/2	2,830.95	1/2	2,474.44	1/2	2,117.71	
3/4	3/4	4,103.65	3/4	3,968.96	3/4	3,834.04	3/4	3,697.81	3/4	3,534.54	3/4	3,179.74	3/4	2,823.53	3/4	2,467.01	3/4	2,110.28	
3	3	4,101.00	3	3,966.15	3	3,831.23	3	3,694.97	3	3,527.20	3	3,172.32	3	2,816.11	3	2,459.57	3	2,102.84	
1/4	1/4	4,098.21	1/4	3,963.34	1/4	3,828.40	1/4	3,692.13	1/4	3,519.86	1/4	3,164.90	1/4	2,808.69	1/4	2,452.14	1/4	2,095.40	
1/2	1/2	4,095.41	1/2	3,960.53	1/2	3,825.58	1/2	3,689.29	1/2	3,512.52	1/2	3,157.48	1/2	2,801.27	1/2	2,444.71	1/2	2,087.96	
3/4	3/4	4,092.62	3/4	3,957.72	3/4	3,822.75	3/4	3,686.45	3/4	3,505.17	3/4	3,150.06	3/4	2,793.85	3/4	2,437.28	3/4	2,080.53	
4	4	4,089.82	4	3,954.91	4	3,819.92	4	3,683.61	4	3,497.83	4	3,142.64	4	2,786.43	4	2,429.85	4	2,073.09	
1/4	1/4	4,087.01	1/4	3,952.10	1/4	3,817.08	1/4	3,680.78	1/4	3,490.49	1/4	3,135.22	1/4	2,779.01	1/4	2,422.42	1/4	2,065.65	
1/2	1/2	4,084.21	1/2	3,949.29	1/2	3,814.24	1/2	3,677.94	1/2	3,483.14	1/2	3,127.79	1/2	2,771.59	1/2	2,414.99	1/2	2,058.22	
3/4	3/4	4,081.40	3/4	3,946.48	3/4	3,811.40	3/4	3,675.10	3/4	3,475.80	3/4	3,120.37	3/4	2,764.17	3/4	2,407.56	3/4	2,050.78	
5	5	4,078.59	5	3,943.67	5	3,808.57	5	3,672.26	5	3,468.46	5	3,112.95	5	2,756.74	5	2,400.13	5	2,043.34	
1/4	1/4	4,075.78	1/4	3,940.86	1/4	3,805.73	1/4	3,669.42	1/4	3,461.11	1/4	3,105.53	1/4	2,749.32	1/4	2,392.70	1/4	2,035.91	
1/2	1/2	4,072.97	1/2	3,938.04	1/2	3,802.89	1/2	3,666.58	1/2	3,453.77	1/2	3,098.11	1/2	2,741.90	1/2	2,385.27	1/2	2,028.47	
3/4	3/4	4,070.16	3/4	3,935.23	3/4	3,800.05	3/4	3,663.75	3/4	3,446.43	3/4	3,090.69	3/4	2,734.48	3/4	2,377.84	3/4	2,021.03	
6	6	4,067.35	6	3,932.42	6	3,797.21	6	3,660.91	6	3,439.09	6	3,083.27	6	2,727.06	6	2,370.41	6	2,013.60	
1/4	1/4	4,064.53	1/4	3,929.61	1/4	3,794.37	1/4	3,658.07	1/4	3,431.74	1/4	3,075.85	1/4	2,719.64	1/4	2,362.98	1/4	2,006.16	
1/2	1/2	4,061.72	1/2	3,926.80	1/2	3,791.53	1/2	3,655.23	1/2	3,424.40	1/2	3,068.43	1/2	2,712.22	1/2	2,355.55	1/2	1,998.72	
3/4	3/4	4,058.91	3/4	3,923.99	3/4	3,788.69	3/4	3,652.39	3/4	3,417.06	3/4	3,061.01	3/4	2,704.80	3/4	2,348.12	3/4	1,991.29	
7	7	4,056.10	7	3,921.18	7	3,785.85	7	3,649.56	7	3,409.71	7	3,053.58	7	2,697.38	7	2,340.69	7	1,983.85	
1/4	1/4	4,053.29	1/4	3,918.37	1/4	3,783.01	1/4	3,646.72	1/4	3,402.31	1/4	3,046.16	1/4	2,689.96	1/4	2,333.26	1/4	1,976.41	
1/2	1/2	4,050.48	1/2	3,915.56	1/2	3,780.17	1/2	3,643.88	1/2	3,394.91	1/2	3,038.74	1/2	2,682.53	1/2	2,325.84	1/2	1,968.97	
3/4	3/4	4,047.67	3/4	3,912.75	3/4	3,777.33	3/4	3,641.04	3/4	3,387.51	3/4	3,031.32	3/4	2,675.11	3/4	2,318.41	3/4	1,961.54	
8	8	4,044.86	8	3,909.94	8	3,774.49	8	3,638.20	8	3,380.11	8	3,023.90	8	2,667.69	8	2,310.98	8	1,954.10	
1/4	1/4	4,042.05	1/4	3,907.12	1/4	3,771.65	1/4	3,635.36	1/4	3,372.69	1/4	3,016.48	1/4	2,660.27	1/4	2,303.55	1/4	1,946.66	
1/2	1/2	4,039.24	1/2	3,904.31	1/2	3,768.81	1/2	3,632.53	1/2	3,365.27	1/2	3,009.06	1/2	2,652.85	1/2	2,296.12	1/2	1,939.23	
3/4	3/4	4,036.43	3/4	3,901.50	3/4	3,765.97	3/4	3,629.69	3/4	3,357.85	3/4	3,001.64	3/4	2,645.43	3/4	2,288.69	3/4	1,931.79	
9	9	4,033.61	9	3,898.69	9	3,763.13	9	3,626.85	9	3,350.42	9	2,994.22	9	2,638.01	9	2,281.26	9	1,924.35	
1/4	1/4	4,030.80	1/4	3,895.88	1/4	3,760.29	1/4	3,624.01	1/4	3,343.00	1/4	2,986.80	1/4	2,630.58	1/4	2,273.83	1/4	1,916.92	
1/2	1/2	4,027.99	1/2	3,893.07	1/2	3,757.45	1/2	3,621.17	1/2	3,335.58	1/2	2,979.37	1/2	2,623.14	1/2	2,266.40	1/2	1,909.48	
3/4	3/4	4,025.18	3/4	3,890.26	3/4	3,754.61	3/4	3,618.34	3/4	3,328.16	3/4	2,971.95	3/4	2,615.71	3/4	2,258.97	3/4	1,902.04	
10	10	4,022.37	10	3,887.45	10	3,751.77	10	3,615.50	10	3,320.74	10	2,964.53	10	2,608.28	10	2,251.54	10	1,894.61	
1/4	1/4	4,019.56	1/4	3,884.64	1/4	3,748.93	1/4	3,612.66	1/4	3,313.32	1/4	2,957.11	1/4	2,600.84	1/4	2,244.11	1/4	1,887.17	
1/2	1/2	4,016.75	1/2	3,881.83	1/2	3,746.09	1/2	3,609.82	1/2	3,305.90	1/2	2,949.69	1/2	2,593.41	1/2	2,236.68	1/2	1,879.73	
3/4	3/4	4,013.94	3/4	3,879.02	3/4	3,743.25	3/4	3,606.98	3/4	3,298.48	3/4	2,942.27	3/4	2,585.97	3/4	2,229.25	3/4	1,872.29	
11	11	4,011.13	11	3,876.20	11	3,740.41	11	3,604.15	11	3,291.06	11	2,934.85	11	2,578.54	11	2,221.82	11	1,864.86	
1/4	1/4	4,008.32	1/4	3,873.39	1/4	3,737.57	1/4	3,601.31	1/4	3,283.64	1/4	2,927.43	1/4	2,571.10	1/4	2,214.39	1/4	1,857.42	
1/2	1/2	4,123.06	1/2	4,005.51	1/2	3,870.58	1/2	3,734.73	1/2	3,598.47	1/2	3,276.21	1/2	2,920.01	1/2	2,206.95	1/2	1,849.98	
3/4	3/4	4,122.74	3/4	4,002.70	3/4	3,867.77	3/4	3,731.89	3/4	3,595.63	3/4	3,268.79	3/4	2,912.59	3/4	2,199.52	3/4	1,842.55	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 AT GAUGE POINT  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 63'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 65'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "MMLP 329"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,835.11	0	1,482.01	0	1,124.95	0	768.90	0	418.21	0	67.17	0		0		0		0	
1/4	1,827.73	1/4	1,474.57	1/4	1,117.51	1/4	761.46	1/4	410.86	1/4	60.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,820.35	1/2	1,467.13	1/2	1,110.07	1/2	754.02	1/2	403.50	1/2	54.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.98	3/4	1,459.69	3/4	1,102.64	3/4	746.58	3/4	396.14	3/4	47.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,805.60	1	1,452.25	1	1,095.20	1	739.14	1	388.78	1	40.90	1	1	1	1	1	1	1	1
1/4	1,798.30	1/4	1,444.82	1/4	1,087.77	1/4	731.71	1/4	381.38	1/4	35.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.00	1/2	1,437.38	1/2	1,080.35	1/2	724.27	1/2	373.98	1/2	30.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.70	3/4	1,429.94	3/4	1,072.92	3/4	716.83	3/4	366.58	3/4	25.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,776.40	2	1,422.50	2	1,065.50	2	709.39	2	359.18	2	20.41	2	2	2	2	2	2	2	2
1/4	1,769.12	1/4	1,415.06	1/4	1,058.08	1/4	701.95	1/4	351.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.84	1/2	1,407.62	1/2	1,050.66	1/2	694.51	1/2	344.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.57	3/4	1,400.18	3/4	1,043.24	3/4	687.08	3/4	336.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,747.29	3	1,392.74	3	1,035.82	3	679.64	3	329.48	3	3	3	3	3	3	3	3	3	3
1/4	1,740.01	1/4	1,385.31	1/4	1,028.40	1/4	672.20	1/4	322.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,732.73	1/2	1,377.87	1/2	1,020.99	1/2	664.76	1/2	314.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,725.45	3/4	1,370.43	3/4	1,013.58	3/4	657.32	3/4	307.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,718.17	4	1,362.99	4	1,006.16	4	649.88	4	299.73	4	4	4	4	4	4	4	4	4	4
1/4	1,710.89	1/4	1,355.55	1/4	998.75	1/4	642.44	1/4	292.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,703.61	1/2	1,348.11	1/2	991.34	1/2	635.01	1/2	284.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,696.33	3/4	1,340.67	3/4	983.93	3/4	627.57	3/4	277.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,689.05	5	1,333.23	5	976.51	5	620.13	5	269.98	5	5	5	5	5	5	5	5	5	5
1/4	1,681.77	1/4	1,325.80	1/4	969.10	1/4	612.69	1/4	262.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,674.49	1/2	1,318.36	1/2	961.69	1/2	605.25	1/2	255.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,667.21	3/4	1,310.92	3/4	954.28	3/4	597.81	3/4	247.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,659.94	6	1,303.48	6	946.87	6	590.37	6	240.20	6	6	6	6	6	6	6	6	6	6
1/4	1,652.60	1/4	1,296.04	1/4	939.45	1/4	582.94	1/4	232.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,645.26	1/2	1,288.60	1/2	932.04	1/2	575.50	1/2	225.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,637.92	3/4	1,281.16	3/4	924.63	3/4	568.06	3/4	217.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,630.58	7	1,273.73	7	917.22	7	560.62	7	210.40	7	7	7	7	7	7	7	7	7	7
1/4	1,623.17	1/4	1,266.29	1/4	909.81	1/4	553.19	1/4	202.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,615.77	1/2	1,258.85	1/2	902.39	1/2	545.75	1/2	195.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,608.36	3/4	1,251.41	3/4	894.98	3/4	538.31	3/4	188.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,600.95	8	1,243.97	8	887.57	8	530.88	8	180.77	8	8	8	8	8	8	8	8	8	8
1/4	1,593.53	1/4	1,236.53	1/4	880.16	1/4	523.98	1/4	173.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,586.11	1/2	1,229.09	1/2	872.75	1/2	517.08	1/2	165.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,578.68	3/4	1,221.65	3/4	865.33	3/4	510.18	3/4	158.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,571.26	9	1,214.22	9	857.92	9	503.28	9	151.20	9	9	9	9	9	9	9	9	9	9
1/4	1,563.82	1/4	1,206.78	1/4	850.51	1/4	496.57	1/4	143.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,556.39	1/2	1,199.34	1/2	843.10	1/2	489.85	1/2	136.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,548.95	3/4	1,191.90	3/4	835.69	3/4	483.14	3/4	129.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,541.52	10	1,184.46	10	828.27	10	476.43	10	121.63	10	10	10	10	10	10	10	10	10	10
1/4	1,534.08	1/4	1,177.02	1/4	820.86	1/4	469.23	1/4	114.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,526.64	1/2	1,169.58	1/2	813.45	1/2	462.04	1/2	107.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.20	3/4	1,162.14	3/4	806.04	3/4	454.84	3/4	100.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,511.76	11	1,154.71	11	798.63	11	447.65	11	94.03	11	11	11	11	11	11	11	11	11	11
1/4	1,504.33	1/4	1,147.27	1/4	791.19	1/4	440.29	1/4	87.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,496.89	1/2	1,139.83	1/2	783.76	1/2	432.93	1/2	80.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,489.45	3/4	1,132.39	3/4	776.33	3/4	425.57	3/4	73.88	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: 11/08/2018 CL  
CALCULATED: 11/09/2018 CL  
PRINTED: 11/11/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2018

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