



# BARGE "KIRBY 18603"

## ULLAGE TRIM TABLE

### FORMERLY "DXE 1903"

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

(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 - 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 168'-06"

February 22, 2005

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 18603"

# 1 PORT ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1		1		1		1		1		1		1		1		1		1	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2		2		2		2		2		2		2		2		2		2	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3		3		3		3		3		3		3		3		3		3	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4		4		4		4		4		4		4		4		4		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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5		5		5		5		5		5		5		5		5		5	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6		6		6		6		6		6		6		6		6		6	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7		7		7		7		7		7		7		7		7		7	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8		8		8		8		8		8		8		8		8		8	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9		9		9		9		9		9		9		9		9		9	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10		10		10		10		10		10		10		10		10		10	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11		11		11		11		11		11		11		11		11		11	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 10'-03" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 18603"

## 1 PORT ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-06"

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	1,027.24	0	868.28	0	709.32	0	550.36	0	391.40	0	232.43	0	73.56	0		0		0	
1/4	1,023.93	1/4	864.97	1/4	706.01	1/4	547.05	1/4	388.08	1/4	229.12	1/4	70.39	1/4	1/4	1/4		1/4	
1/2	1,020.62	1/2	861.66	1/2	702.70	1/2	543.73	1/2	384.77	1/2	225.81	1/2	67.23	1/2	1/2	1/2		1/2	
3/4	1,017.31	3/4	858.35	3/4	699.38	3/4	540.42	3/4	381.46	3/4	222.50	3/4	64.06	3/4	3/4	3/4		3/4	
1	1,014.00	1	855.03	1	696.07	1	537.11	1	378.15	1	219.19	1	60.90	1		1		1	
1/4	1,010.68	1/4	851.72	1/4	692.76	1/4	533.80	1/4	374.84	1/4	215.88	1/4	57.88	1/4	1/4	1/4		1/4	
1/2	1,007.37	1/2	848.41	1/2	689.45	1/2	530.49	1/2	371.53	1/2	212.56	1/2	54.87	1/2	1/2	1/2		1/2	
3/4	1,004.06	3/4	845.10	3/4	686.14	3/4	527.18	3/4	368.21	3/4	209.25	3/4	51.86	3/4	3/4	3/4		3/4	
2	1,000.75	2	841.79	2	682.83	2	523.86	2	364.90	2	205.94	2	48.85	2		2		2	
1/4	997.44	1/4	838.48	1/4	679.51	1/4	520.55	1/4	361.59	1/4	202.63	1/4	45.78	1/4	1/4	1/4		1/4	
1/2	994.13	1/2	835.16	1/2	676.20	1/2	517.24	1/2	358.28	1/2	199.32	1/2	42.72	1/2	1/2	1/2		1/2	
3/4	990.81	3/4	831.85	3/4	672.89	3/4	513.93	3/4	354.97	3/4	196.01	3/4	39.65	3/4	3/4	3/4		3/4	
3	987.50	3	828.54	3	669.58	3	510.62	3	351.66	3	192.69	3	36.59	3		3		3	
1/4	984.19	1/4	825.23	1/4	666.27	1/4	507.31	1/4	348.34	1/4	189.38	1/4	33.60	1/4	1/4	1/4		1/4	
1/2	980.88	1/2	821.92	1/2	662.96	1/2	503.99	1/2	345.03	1/2	186.07	1/2	30.60	1/2	1/2	1/2		1/2	
3/4	977.57	3/4	818.60	3/4	659.64	3/4	500.68	3/4	341.72	3/4	182.76	3/4	27.61	3/4	3/4	3/4		3/4	
4	974.25	4	815.29	4	656.33	4	497.37	4	338.41	4	179.45	4	24.62	4		4		4	
1/4	970.94	1/4	811.98	1/4	653.02	1/4	494.06	1/4	335.10	1/4	176.14	1/4	22.15	1/4	1/4	1/4		1/4	
1/2	967.63	1/2	808.67	1/2	649.71	1/2	490.75	1/2	331.79	1/2	172.82	1/2	19.67	1/2	1/2	1/2		1/2	
3/4	964.32	3/4	805.36	3/4	646.40	3/4	487.43	3/4	328.47	3/4	169.51	3/4	17.20	3/4	3/4	3/4		3/4	
5	961.01	5	802.05	5	643.08	5	484.12	5	325.16	5	166.20	5	14.72	5		5		5	
1/4	957.70	1/4	798.73	1/4	639.77	1/4	480.81	1/4	321.85	1/4	162.89	1/4	12.91	1/4	1/4	1/4		1/4	
1/2	954.38	1/2	795.42	1/2	636.46	1/2	477.50	1/2	318.54	1/2	159.58	1/2	11.09	1/2	1/2	1/2		1/2	
3/4	951.07	3/4	792.11	3/4	633.15	3/4	474.19	3/4	315.23	3/4	156.26	3/4	9.28	3/4	3/4	3/4		3/4	
6	947.76	6	788.80	6	629.84	6	470.88	6	311.91	6	152.95	6	7.46	6		6		6	
1/4	944.45	1/4	785.49	1/4	626.53	1/4	467.56	1/4	308.60	1/4	149.64	1/4		1/4	1/4	1/4		1/4	
1/2	941.14	1/2	782.18	1/2	623.21	1/2	464.25	1/2	305.29	1/2	146.33	1/2		1/2	1/2	1/2		1/2	
3/4	937.83	3/4	778.86	3/4	619.90	3/4	460.94	3/4	301.98	3/4	143.02	3/4		3/4	3/4	3/4		3/4	
7	934.51	7	775.55	7	616.59	7	457.63	7	298.67	7	139.71	7		7		7		7	
1/4	931.20	1/4	772.24	1/4	613.28	1/4	454.32	1/4	295.36	1/4	136.39	1/4		1/4	1/4	1/4		1/4	
1/2	927.89	1/2	768.93	1/2	609.97	1/2	451.01	1/2	292.04	1/2	133.08	1/2		1/2	1/2	1/2		1/2	
3/4	924.58	3/4	765.62	3/4	606.66	3/4	447.69	3/4	288.73	3/4	129.77	3/4		3/4	3/4	3/4		3/4	
8	921.27	8	762.31	8	603.34	8	444.38	8	285.42	8	126.46	8		8		8		8	
1/4	917.96	1/4	758.99	1/4	600.03	1/4	441.07	1/4	282.11	1/4	123.15	1/4		1/4	1/4	1/4		1/4	
1/2	914.64	1/2	755.68	1/2	596.72	1/2	437.76	1/2	278.80	1/2	119.84	1/2		1/2	1/2	1/2		1/2	
3/4	911.33	3/4	752.37	3/4	593.41	3/4	434.45	3/4	275.49	3/4	116.52	3/4		3/4	3/4	3/4		3/4	
9	908.02	9	749.06	9	590.10	9	431.14	9	272.17	9	113.21	9		9		9		9	
1/4	904.71	1/4	745.75	1/4	586.79	1/4	427.82	1/4	268.86	1/4	109.90	1/4		1/4	1/4	1/4		1/4	
1/2	901.40	1/2	742.44	1/2	583.47	1/2	424.51	1/2	265.55	1/2	106.59	1/2		1/2	1/2	1/2		1/2	
3/4	898.09	3/4	739.12	3/4	580.16	3/4	421.20	3/4	262.24	3/4	103.28	3/4		3/4	3/4	3/4		3/4	
10	894.77	10	735.81	10	576.85	10	417.89	10	258.93	10	99.97	10		10		10		10	
1/4	891.46	1/4	732.50	1/4	573.54	1/4	414.58	1/4	255.62	1/4	96.66	1/4		1/4	1/4	1/4		1/4	
1/2	888.15	1/2	729.19	1/2	570.23	1/2	411.27	1/2	252.30	1/2	93.35	1/2		1/2	1/2	1/2		1/2	
3/4	884.84	3/4	725.88	3/4	566.92	3/4	407.95	3/4	248.99	3/4	90.04	3/4		3/4	3/4	3/4		3/4	
11	881.53	11	722.57	11	563.60	11	404.64	11	245.68	11	86.73	11		11		11		11	
1/4	878.22	1/4	719.25	1/4	560.29	1/4	401.33	1/4	242.37	1/4	83.43	1/4		1/4	1/4	1/4		1/4	
1/2	874.90	1/2	715.94	1/2	556.98	1/2	398.02	1/2	239.06	1/2	80.14	1/2		1/2	1/2	1/2		1/2	
3/4	871.59	3/4	712.63	3/4	553.67	3/4	394.71	3/4	235.75	3/4	76.85	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/16/2000 CL - SW  
DECK MEASUREMENTS: 02/22/2005 CL - SW  
REPRINTED: 02/22/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 18603"

## 1 STBD ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-03" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 18603"

## 1 STBD ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-06"

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	1,025.63	0	866.92	0	708.20	0	549.49	0	390.78	0	232.07	0	73.44	0		0		0	
1/4	1,022.32	1/4	863.61	1/4	704.90	1/4	546.19	1/4	387.47	1/4	228.76	1/4	70.28	1/4	1/4	1/4		1/4	
1/2	1,019.01	1/2	860.30	1/2	701.59	1/2	542.88	1/2	384.17	1/2	225.45	1/2	67.12	1/2	1/2	1/2		1/2	
3/4	1,015.71	3/4	857.00	3/4	698.28	3/4	539.57	3/4	380.86	3/4	222.15	3/4	63.96	3/4	3/4	3/4		3/4	
1	1,012.40	1	853.69	1	694.98	1	536.27	1	377.55	1	218.84	1	60.80	1		1		1	
1/4	1,009.10	1/4	850.38	1/4	691.67	1/4	532.96	1/4	374.25	1/4	215.54	1/4	57.79	1/4	1/4	1/4		1/4	
1/2	1,005.79	1/2	847.08	1/2	688.36	1/2	529.65	1/2	370.94	1/2	212.23	1/2	54.78	1/2	1/2	1/2		1/2	
3/4	1,002.48	3/4	843.77	3/4	685.06	3/4	526.35	3/4	367.63	3/4	208.92	3/4	51.78	3/4	3/4	3/4		3/4	
2	999.18	2	840.46	2	681.75	2	523.04	2	364.33	2	205.62	2	48.77	2		2		2	
1/4	995.87	1/4	837.16	1/4	678.45	1/4	519.73	1/4	361.02	1/4	202.31	1/4	45.71	1/4	1/4	1/4		1/4	
1/2	992.56	1/2	833.85	1/2	675.14	1/2	516.43	1/2	357.71	1/2	199.00	1/2	42.65	1/2	1/2	1/2		1/2	
3/4	989.26	3/4	830.54	3/4	671.83	3/4	513.12	3/4	354.41	3/4	195.70	3/4	39.59	3/4	3/4	3/4		3/4	
3	985.95	3	827.24	3	668.53	3	509.81	3	351.10	3	192.39	3	36.53	3		3		3	
1/4	982.64	1/4	823.93	1/4	665.22	1/4	506.51	1/4	347.80	1/4	189.08	1/4	33.55	1/4	1/4	1/4		1/4	
1/2	979.34	1/2	820.62	1/2	661.91	1/2	503.20	1/2	344.49	1/2	185.78	1/2	30.56	1/2	1/2	1/2		1/2	
3/4	976.03	3/4	817.32	3/4	658.61	3/4	499.89	3/4	341.18	3/4	182.47	3/4	27.57	3/4	3/4	3/4		3/4	
4	972.72	4	814.01	4	655.30	4	496.59	4	337.88	4	179.16	4	24.58	4		4		4	
1/4	969.42	1/4	810.71	1/4	651.99	1/4	493.28	1/4	334.57	1/4	175.86	1/4	22.11	1/4	1/4	1/4		1/4	
1/2	966.11	1/2	807.40	1/2	648.69	1/2	489.97	1/2	331.26	1/2	172.55	1/2	19.64	1/2	1/2	1/2		1/2	
3/4	962.80	3/4	804.09	3/4	645.38	3/4	486.67	3/4	327.96	3/4	169.24	3/4	17.17	3/4	3/4	3/4		3/4	
5	959.50	5	800.79	5	642.07	5	483.36	5	324.65	5	165.94	5	14.70	5		5		5	
1/4	956.19	1/4	797.48	1/4	638.77	1/4	480.06	1/4	321.34	1/4	162.63	1/4	12.89	1/4	1/4	1/4		1/4	
1/2	952.88	1/2	794.17	1/2	635.46	1/2	476.75	1/2	318.04	1/2	159.32	1/2	11.08	1/2	1/2	1/2		1/2	
3/4	949.58	3/4	790.87	3/4	632.15	3/4	473.44	3/4	314.73	3/4	156.02	3/4	9.27	3/4	3/4	3/4		3/4	
6	946.27	6	787.56	6	628.85	6	470.14	6	311.42	6	152.71	6	7.45	6		6		6	
1/4	942.97	1/4	784.25	1/4	625.54	1/4	466.83	1/4	308.12	1/4	149.41	1/4		1/4	1/4	1/4		1/4	
1/2	939.66	1/2	780.95	1/2	622.23	1/2	463.52	1/2	304.81	1/2	146.10	1/2		1/2	1/2	1/2		1/2	
3/4	936.35	3/4	777.64	3/4	618.93	3/4	460.22	3/4	301.50	3/4	142.79	3/4		3/4	3/4	3/4		3/4	
7	933.05	7	774.33	7	615.62	7	456.91	7	298.20	7	139.49	7		7		7		7	
1/4	929.74	1/4	771.03	1/4	612.32	1/4	453.60	1/4	294.89	1/4	136.18	1/4		1/4	1/4	1/4		1/4	
1/2	926.43	1/2	767.72	1/2	609.01	1/2	450.30	1/2	291.58	1/2	132.87	1/2		1/2	1/2	1/2		1/2	
3/4	923.13	3/4	764.41	3/4	605.70	3/4	446.99	3/4	288.28	3/4	129.57	3/4		3/4	3/4	3/4		3/4	
8	919.82	8	761.11	8	602.40	8	443.68	8	284.97	8	126.26	8		8		8		8	
1/4	916.51	1/4	757.80	1/4	599.09	1/4	440.38	1/4	281.67	1/4	122.95	1/4		1/4	1/4	1/4		1/4	
1/2	913.21	1/2	754.49	1/2	595.78	1/2	437.07	1/2	278.36	1/2	119.65	1/2		1/2	1/2	1/2		1/2	
3/4	909.90	3/4	751.19	3/4	592.48	3/4	433.76	3/4	275.05	3/4	116.34	3/4		3/4	3/4	3/4		3/4	
9	906.59	9	747.88	9	589.17	9	430.46	9	271.75	9	113.03	9		9		9		9	
1/4	903.29	1/4	744.58	1/4	585.86	1/4	427.15	1/4	268.44	1/4	109.73	1/4		1/4	1/4	1/4		1/4	
1/2	899.98	1/2	741.27	1/2	582.56	1/2	423.84	1/2	265.13	1/2	106.42	1/2		1/2	1/2	1/2		1/2	
3/4	896.67	3/4	737.96	3/4	579.25	3/4	420.54	3/4	261.83	3/4	103.11	3/4		3/4	3/4	3/4		3/4	
10	893.37	10	734.66	10	575.94	10	417.23	10	258.52	10	99.81	10		10		10		10	
1/4	890.06	1/4	731.35	1/4	572.64	1/4	413.93	1/4	255.21	1/4	96.50	1/4		1/4	1/4	1/4		1/4	
1/2	886.75	1/2	728.04	1/2	569.33	1/2	410.62	1/2	251.91	1/2	93.20	1/2		1/2	1/2	1/2		1/2	
3/4	883.45	3/4	724.74	3/4	566.02	3/4	407.31	3/4	248.60	3/4	89.89	3/4		3/4	3/4	3/4		3/4	
11	880.14	11	721.43	11	562.72	11	404.01	11	245.29	11	86.59	11		11		11		11	
1/4	876.84	1/4	718.12	1/4	559.41	1/4	400.70	1/4	241.99	1/4	83.30	1/4		1/4	1/4	1/4		1/4	
1/2	873.53	1/2	714.82	1/2	556.10	1/2	397.39	1/2	238.68	1/2	80.01	1/2		1/2	1/2	1/2		1/2	
3/4	870.22	3/4	711.51	3/4	552.80	3/4	394.09	3/4	235.37	3/4	76.73	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/16/2000 CL - SW  
DECK MEASUREMENTS: 02/22/2005 CL - SW  
REPRINTED: 02/22/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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















# BARGE "KIRBY 18603"

## 4 PORT ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-6"

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	1,204.00	0	1,017.68	0	831.36	0	645.03	0	458.71	0	272.39	0	86.16	0		0		0	
1/4	1,200.12	1/4	1,013.80	1/4	827.47	1/4	641.15	1/4	454.83	1/4	268.51	1/4	82.45	1/4	1/4	1/4		1/4	
1/2	1,196.24	1/2	1,009.91	1/2	823.59	1/2	637.27	1/2	450.95	1/2	264.63	1/2	78.74	1/2	1/2	1/2		1/2	
3/4	1,192.35	3/4	1,006.03	3/4	819.71	3/4	633.39	3/4	447.07	3/4	260.75	3/4	75.03	3/4	3/4	3/4		3/4	
1	1,188.47	1	1,002.15	1	815.83	1	629.51	1	443.19	1	256.86	1	71.32	1		1		1	
1/4	1,184.59	1/4	998.27	1/4	811.95	1/4	625.63	1/4	439.30	1/4	252.98	1/4	67.79	1/4	1/4	1/4		1/4	
1/2	1,180.71	1/2	994.39	1/2	808.07	1/2	621.74	1/2	435.42	1/2	249.10	1/2	64.25	1/2	1/2	1/2		1/2	
3/4	1,176.83	3/4	990.51	3/4	804.18	3/4	617.86	3/4	431.54	3/4	245.22	3/4	60.72	3/4	3/4	3/4		3/4	
2	1,172.94	2	986.62	2	800.30	2	613.98	2	427.66	2	241.34	2	57.19	2		2		2	
1/4	1,169.06	1/4	982.74	1/4	796.42	1/4	610.10	1/4	423.78	1/4	237.46	1/4	53.59	1/4	1/4	1/4		1/4	
1/2	1,165.18	1/2	978.86	1/2	792.54	1/2	606.22	1/2	419.90	1/2	233.57	1/2	50.00	1/2	1/2	1/2		1/2	
3/4	1,161.30	3/4	974.98	3/4	788.66	3/4	602.34	3/4	416.01	3/4	229.69	3/4	46.40	3/4	3/4	3/4		3/4	
3	1,157.42	3	971.10	3	784.77	3	598.45	3	412.13	3	225.81	3	42.81	3		3		3	
1/4	1,153.54	1/4	967.21	1/4	780.89	1/4	594.57	1/4	408.25	1/4	221.93	1/4	39.30	1/4	1/4	1/4		1/4	
1/2	1,149.65	1/2	963.33	1/2	777.01	1/2	590.69	1/2	404.37	1/2	218.05	1/2	35.79	1/2	1/2	1/2		1/2	
3/4	1,145.77	3/4	959.45	3/4	773.13	3/4	586.81	3/4	400.49	3/4	214.17	3/4	32.29	3/4	3/4	3/4		3/4	
4	1,141.89	4	955.57	4	769.25	4	582.93	4	396.60	4	210.28	4	28.78	4		4		4	
1/4	1,138.01	1/4	951.69	1/4	765.37	1/4	579.04	1/4	392.72	1/4	206.40	1/4	25.88	1/4	1/4	1/4		1/4	
1/2	1,134.13	1/2	947.81	1/2	761.48	1/2	575.16	1/2	388.84	1/2	202.52	1/2	22.98	1/2	1/2	1/2		1/2	
3/4	1,130.25	3/4	943.92	3/4	757.60	3/4	571.28	3/4	384.96	3/4	198.64	3/4	20.08	3/4	3/4	3/4		3/4	
5	1,126.36	5	940.04	5	753.72	5	567.40	5	381.08	5	194.76	5	17.18	5		5		5	
1/4	1,122.48	1/4	936.16	1/4	749.84	1/4	563.52	1/4	377.20	1/4	190.87	1/4	15.05	1/4	1/4	1/4		1/4	
1/2	1,118.60	1/2	932.28	1/2	745.96	1/2	559.64	1/2	373.31	1/2	186.99	1/2	12.92	1/2	1/2	1/2		1/2	
3/4	1,114.72	3/4	928.40	3/4	742.08	3/4	555.75	3/4	369.43	3/4	183.11	3/4	10.79	3/4	3/4	3/4		3/4	
6	1,110.84	6	924.52	6	738.19	6	551.87	6	365.55	6	179.23	6	8.66	6		6		6	
1/4	1,106.96	1/4	920.63	1/4	734.31	1/4	547.99	1/4	361.67	1/4	175.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,103.07	1/2	916.75	1/2	730.43	1/2	544.11	1/2	357.79	1/2	171.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,099.19	3/4	912.87	3/4	726.55	3/4	540.23	3/4	353.91	3/4	167.58	3/4		3/4	3/4	3/4		3/4	
7	1,095.31	7	908.99	7	722.67	7	536.35	7	350.02	7	163.70	7		7		7		7	
1/4	1,091.43	1/4	905.11	1/4	718.79	1/4	532.46	1/4	346.14	1/4	159.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,087.55	1/2	901.23	1/2	714.90	1/2	528.58	1/2	342.26	1/2	155.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,083.67	3/4	897.34	3/4	711.02	3/4	524.70	3/4	338.38	3/4	152.06	3/4		3/4	3/4	3/4		3/4	
8	1,079.78	8	893.46	8	707.14	8	520.82	8	334.50	8	148.18	8		8		8		8	
1/4	1,075.90	1/4	889.58	1/4	703.26	1/4	516.94	1/4	330.62	1/4	144.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,072.02	1/2	885.70	1/2	699.38	1/2	513.06	1/2	326.73	1/2	140.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,068.14	3/4	881.82	3/4	695.50	3/4	509.17	3/4	322.85	3/4	136.53	3/4		3/4	3/4	3/4		3/4	
9	1,064.26	9	877.94	9	691.61	9	505.29	9	318.97	9	132.65	9		9		9		9	
1/4	1,060.38	1/4	874.05	1/4	687.73	1/4	501.41	1/4	315.09	1/4	128.77	1/4		1/4	1/4	1/4		1/4	
1/2	1,056.49	1/2	870.17	1/2	683.85	1/2	497.53	1/2	311.21	1/2	124.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,052.61	3/4	866.29	3/4	679.97	3/4	493.65	3/4	307.33	3/4	121.00	3/4		3/4	3/4	3/4		3/4	
10	1,048.73	10	862.41	10	676.09	10	489.77	10	303.44	10	117.12	10		10		10		10	
1/4	1,044.85	1/4	858.53	1/4	672.21	1/4	485.88	1/4	299.56	1/4	113.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,040.97	1/2	854.65	1/2	668.32	1/2	482.00	1/2	295.68	1/2	109.36	1/2		1/2	1/2	1/2		1/2	
3/4	1,037.09	3/4	850.76	3/4	664.44	3/4	478.12	3/4	291.80	3/4	105.48	3/4		3/4	3/4	3/4		3/4	
11	1,033.20	11	846.88	11	660.56	11	474.24	11	287.92	11	101.60	11		11		11		11	
1/4	1,029.32	1/4	843.00	1/4	656.68	1/4	470.36	1/4	284.04	1/4	97.74	1/4		1/4	1/4	1/4		1/4	
1/2	1,025.44	1/2	839.12	1/2	652.80	1/2	466.48	1/2	280.15	1/2	93.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,021.56	3/4	835.24	3/4	648.92	3/4	462.59	3/4	276.27	3/4	90.02	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/16/2000 CL - SW  
DECK MEASUREMENTS: 02/22/2005 CL - SW  
REPRINTED: 02/22/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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



# BARGE "KIRBY 18603"

# 4 STBD ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-6"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-03" OFF CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 18603"

## 4 STBD ULLAGE TABLE

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

FORMERLY "DXE 1903"

GAUGE HEIGHT 16'-6"

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	1,205.06	0	1,018.57	0	832.09	0	645.60	0	459.12	0	272.63	0	86.24	0		0		0	
1/4	1,201.17	1/4	1,014.69	1/4	828.20	1/4	641.72	1/4	455.23	1/4	268.75	1/4	82.53	1/4	1/4	1/4		1/4	
1/2	1,197.29	1/2	1,010.80	1/2	824.32	1/2	637.83	1/2	451.35	1/2	264.86	1/2	78.81	1/2	1/2	1/2		1/2	
3/4	1,193.40	3/4	1,006.92	3/4	820.43	3/4	633.95	3/4	447.46	3/4	260.98	3/4	75.10	3/4	3/4	3/4		3/4	
1	1,189.52	1	1,003.03	1	816.55	1	630.06	1	443.58	1	257.09	1	71.39	1		1		1	
1/4	1,185.63	1/4	999.15	1/4	812.66	1/4	626.18	1/4	439.69	1/4	253.21	1/4	67.85	1/4	1/4	1/4		1/4	
1/2	1,181.75	1/2	995.26	1/2	808.78	1/2	622.29	1/2	435.81	1/2	249.32	1/2	64.31	1/2	1/2	1/2		1/2	
3/4	1,177.86	3/4	991.38	3/4	804.89	3/4	618.41	3/4	431.92	3/4	245.44	3/4	60.77	3/4	3/4	3/4		3/4	
2	1,173.98	2	987.49	2	801.01	2	614.52	2	428.04	2	241.55	2	57.24	2		2		2	
1/4	1,170.09	1/4	983.61	1/4	797.12	1/4	610.64	1/4	424.15	1/4	237.67	1/4	53.64	1/4	1/4	1/4		1/4	
1/2	1,166.21	1/2	979.72	1/2	793.24	1/2	606.75	1/2	420.27	1/2	233.78	1/2	50.04	1/2	1/2	1/2		1/2	
3/4	1,162.32	3/4	975.84	3/4	789.35	3/4	602.87	3/4	416.38	3/4	229.90	3/4	46.44	3/4	3/4	3/4		3/4	
3	1,158.44	3	971.95	3	785.47	3	598.98	3	412.50	3	226.01	3	42.85	3		3		3	
1/4	1,154.55	1/4	968.07	1/4	781.58	1/4	595.10	1/4	408.61	1/4	222.13	1/4	39.34	1/4	1/4	1/4		1/4	
1/2	1,150.67	1/2	964.18	1/2	777.70	1/2	591.21	1/2	404.73	1/2	218.24	1/2	35.83	1/2	1/2	1/2		1/2	
3/4	1,146.78	3/4	960.30	3/4	773.81	3/4	587.33	3/4	400.84	3/4	214.36	3/4	32.31	3/4	3/4	3/4		3/4	
4	1,142.89	4	956.41	4	769.93	4	583.44	4	396.96	4	210.47	4	28.80	4		4		4	
1/4	1,139.01	1/4	952.52	1/4	766.04	1/4	579.56	1/4	393.07	1/4	206.59	1/4	25.90	1/4	1/4	1/4		1/4	
1/2	1,135.12	1/2	948.64	1/2	762.16	1/2	575.67	1/2	389.19	1/2	202.70	1/2	23.00	1/2	1/2	1/2		1/2	
3/4	1,131.24	3/4	944.75	3/4	758.27	3/4	571.79	3/4	385.30	3/4	198.82	3/4	20.09	3/4	3/4	3/4		3/4	
5	1,127.35	5	940.87	5	754.38	5	567.90	5	381.42	5	194.93	5	17.19	5		5		5	
1/4	1,123.47	1/4	936.98	1/4	750.50	1/4	564.01	1/4	377.53	1/4	191.05	1/4	15.06	1/4	1/4	1/4		1/4	
1/2	1,119.58	1/2	933.10	1/2	746.61	1/2	560.13	1/2	373.65	1/2	187.16	1/2	12.93	1/2	1/2	1/2		1/2	
3/4	1,115.70	3/4	929.21	3/4	742.73	3/4	556.24	3/4	369.76	3/4	183.28	3/4	10.80	3/4	3/4	3/4		3/4	
6	1,111.81	6	925.33	6	738.84	6	552.36	6	365.87	6	179.39	6	8.67	6		6		6	
1/4	1,107.93	1/4	921.44	1/4	734.96	1/4	548.47	1/4	361.99	1/4	175.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,104.04	1/2	917.56	1/2	731.07	1/2	544.59	1/2	358.10	1/2	171.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,100.16	3/4	913.67	3/4	727.19	3/4	540.70	3/4	354.22	3/4	167.73	3/4		3/4	3/4	3/4		3/4	
7	1,096.27	7	909.79	7	723.30	7	536.82	7	350.33	7	163.85	7		7		7		7	
1/4	1,092.39	1/4	905.90	1/4	719.42	1/4	532.93	1/4	346.45	1/4	159.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,088.50	1/2	902.02	1/2	715.53	1/2	529.05	1/2	342.56	1/2	156.08	1/2		1/2	1/2	1/2		1/2	
3/4	1,084.62	3/4	898.13	3/4	711.65	3/4	525.16	3/4	338.68	3/4	152.19	3/4		3/4	3/4	3/4		3/4	
8	1,080.73	8	894.25	8	707.76	8	521.28	8	334.79	8	148.31	8		8		8		8	
1/4	1,076.85	1/4	890.36	1/4	703.88	1/4	517.39	1/4	330.91	1/4	144.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,072.96	1/2	886.48	1/2	699.99	1/2	513.51	1/2	327.02	1/2	140.54	1/2		1/2	1/2	1/2		1/2	
3/4	1,069.08	3/4	882.59	3/4	696.11	3/4	509.62	3/4	323.14	3/4	136.65	3/4		3/4	3/4	3/4		3/4	
9	1,065.19	9	878.71	9	692.22	9	505.74	9	319.25	9	132.77	9		9		9		9	
1/4	1,061.31	1/4	874.82	1/4	688.34	1/4	501.85	1/4	315.37	1/4	128.88	1/4		1/4	1/4	1/4		1/4	
1/2	1,057.42	1/2	870.94	1/2	684.45	1/2	497.97	1/2	311.48	1/2	125.00	1/2		1/2	1/2	1/2		1/2	
3/4	1,053.54	3/4	867.05	3/4	680.57	3/4	494.08	3/4	307.60	3/4	121.11	3/4		3/4	3/4	3/4		3/4	
10	1,049.65	10	863.17	10	676.68	10	490.20	10	303.71	10	117.23	10		10		10		10	
1/4	1,045.77	1/4	859.28	1/4	672.80	1/4	486.31	1/4	299.83	1/4	113.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,041.88	1/2	855.40	1/2	668.91	1/2	482.43	1/2	295.94	1/2	109.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,038.00	3/4	851.51	3/4	665.03	3/4	478.54	3/4	292.06	3/4	105.58	3/4		3/4	3/4	3/4		3/4	
11	1,034.11	11	847.63	11	661.14	11	474.66	11	288.17	11	101.70	11		11		11		11	
1/4	1,030.23	1/4	843.74	1/4	657.26	1/4	470.77	1/4	284.29	1/4	97.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,026.34	1/2	839.86	1/2	653.37	1/2	466.89	1/2	280.40	1/2	93.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,022.46	3/4	835.97	3/4	649.49	3/4	463.00	3/4	276.52	3/4	90.11	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/16/2000 CL - SW  
DECK MEASUREMENTS: 02/22/2005 CL - SW  
REPRINTED: 02/22/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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