



# BARGE "KIRBY 11351"

ULLAGE TRIM TABLE

FORMERLY "CGBM 130"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-3/8	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 CENTER	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
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8

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

LENGTH BETWEEN DRAFT MARKS: 167'-06"

May 5, 2020

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11351"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-06 1/4"

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	144,042	0	135,113	0	126,142	0	117,171	0	107,691	0	97,409	0	87,122	0	76,821		
1/4	1/4	1/4	1/4	1/4	143,858	1/4	134,926	1/4	125,955	1/4	116,984	1/4	107,476	1/4	97,195	1/4	86,908	1/4	76,606		
1/2	1/2	1/2	1/2	1/2	143,674	1/2	134,739	1/2	125,768	1/2	116,798	1/2	107,261	1/2	96,981	1/2	86,693	1/2	76,392		
3/4	3/4	3/4	3/4	3/4	143,490	3/4	134,552	3/4	125,581	3/4	116,611	3/4	107,045	3/4	96,767	3/4	86,478	3/4	76,177		
1	1	1	1	1	143,306	1	134,365	1	125,395	1	116,424	1	106,830	1	96,553	1	86,264	1	75,963		
1/4	1/4	1/4	1/4	1/4	143,123	1/4	134,178	1/4	125,208	1/4	116,237	1/4	106,615	1/4	96,339	1/4	86,049	1/4	75,748		
1/2	1/2	1/2	1/2	1/2	142,939	1/2	133,991	1/2	125,021	1/2	116,050	1/2	106,401	1/2	96,125	1/2	85,835	1/2	75,533		
3/4	3/4	3/4	3/4	3/4	142,755	3/4	133,805	3/4	124,834	3/4	115,863	3/4	106,186	3/4	95,911	3/4	85,620	3/4	75,319		
2	2	2	2	2	142,571	2	133,618	2	124,647	2	115,676	2	105,972	2	95,697	2	85,405	2	75,104		
1/4	1/4	1/4	1/4	1/4	142,387	1/4	133,431	1/4	124,460	1/4	115,489	1/4	105,758	1/4	95,483	1/4	85,191	1/4	74,889		
1/2	1/2	1/2	1/2	1/2	142,203	1/2	133,244	1/2	124,273	1/2	115,302	1/2	105,544	1/2	95,269	1/2	84,976	1/2	74,675		
3/4	3/4	3/4	3/4	3/4	142,019	3/4	133,057	3/4	124,086	3/4	115,116	3/4	105,330	3/4	95,054	3/4	84,761	3/4	74,460		
3	3	3	3	3	141,835	3	132,870	3	123,899	3	114,929	3	105,115	3	94,840	3	84,547	3	74,246		
1/4	1/4	1/4	1/4	1/4	141,651	1/4	132,683	1/4	123,713	1/4	114,742	1/4	104,901	1/4	94,626	1/4	84,332	1/4	74,031		
1/2	1/2	1/2	1/2	1/2	141,465	1/2	132,496	1/2	123,526	1/2	114,555	1/2	104,687	1/2	94,412	1/2	84,118	1/2	73,816		
3/4	3/4	3/4	3/4	3/4	141,279	3/4	132,309	3/4	123,339	3/4	114,368	3/4	104,473	3/4	94,198	3/4	83,903	3/4	73,602		
4	4	4	4	4	148,028	4	141,093	4	132,123	4	123,152	4	114,181	4	104,259	4	93,984	4	83,688	4	73,387
1/4	1/4	1/4	1/4	1/4	148,011	1/4	140,906	1/4	131,936	1/4	122,965	1/4	113,994	1/4	104,045	1/4	93,770	1/4	83,474	1/4	73,173
1/2	1/2	1/2	1/2	1/2	147,991	1/2	140,720	1/2	131,749	1/2	122,778	1/2	113,807	1/2	103,831	1/2	93,556	1/2	83,259	1/2	72,958
3/4	3/4	3/4	3/4	3/4	147,970	3/4	140,533	3/4	131,562	3/4	122,591	3/4	113,620	3/4	103,617	3/4	93,342	3/4	83,045	3/4	72,743
5	5	5	5	5	147,949	5	140,346	5	131,375	5	122,404	5	113,434	5	103,403	5	93,128	5	82,830	5	72,529
1/4	1/4	1/4	1/4	1/4	147,928	1/4	140,159	1/4	131,188	1/4	122,217	1/4	113,247	1/4	103,189	1/4	92,914	1/4	82,615	1/4	72,314
1/2	1/2	1/2	1/2	1/2	147,873	1/2	139,972	1/2	131,001	1/2	122,030	1/2	113,060	1/2	102,975	1/2	92,700	1/2	82,401	1/2	72,100
3/4	3/4	3/4	3/4	3/4	147,818	3/4	139,785	3/4	130,814	3/4	121,844	3/4	112,873	3/4	102,761	3/4	92,486	3/4	82,186	3/4	71,885
6	6	6	6	6	147,763	6	139,598	6	130,627	6	121,657	6	112,686	6	102,547	6	92,272	6	81,972	6	71,670
1/4	1/4	1/4	1/4	1/4	147,709	1/4	139,411	1/4	130,441	1/4	121,470	1/4	112,499	1/4	102,333	1/4	92,058	1/4	81,757	1/4	71,456
1/2	1/2	1/2	1/2	1/2	147,611	1/2	139,224	1/2	130,254	1/2	121,283	1/2	112,312	1/2	102,119	1/2	91,843	1/2	81,542	1/2	71,243
3/4	3/4	3/4	3/4	3/4	147,513	3/4	139,038	3/4	130,067	3/4	121,096	3/4	112,125	3/4	101,905	3/4	91,629	3/4	81,328	3/4	71,031
7	7	7	7	7	147,415	7	138,851	7	129,880	7	120,909	7	111,938	7	101,690	7	91,414	7	81,113	7	70,819
1/4	1/4	1/4	1/4	1/4	147,317	1/4	138,664	1/4	129,693	1/4	120,722	1/4	111,752	1/4	101,476	1/4	91,200	1/4	80,899	1/4	70,606
1/2	1/2	1/2	1/2	1/2	147,176	1/2	138,477	1/2	129,506	1/2	120,535	1/2	111,543	1/2	101,262	1/2	90,985	1/2	80,684	1/2	70,394
3/4	3/4	3/4	3/4	3/4	147,036	3/4	138,290	3/4	129,319	3/4	120,348	3/4	111,335	3/4	101,048	3/4	90,771	3/4	80,469	3/4	70,183
8	8	8	8	8	146,895	8	138,103	8	129,132	8	120,162	8	111,127	8	100,834	8	90,556	8	80,255	8	69,971
1/4	1/4	1/4	1/4	1/4	146,754	1/4	137,916	1/4	128,945	1/4	119,975	1/4	110,919	1/4	100,620	1/4	90,341	1/4	80,040	1/4	69,759
1/2	1/2	1/2	1/2	1/2	146,580	1/2	137,729	1/2	128,759	1/2	119,788	1/2	110,704	1/2	100,406	1/2	90,127	1/2	79,825	1/2	69,548
3/4	3/4	3/4	3/4	3/4	146,406	3/4	137,542	3/4	128,572	3/4	119,601	3/4	110,489	3/4	100,192	3/4	89,912	3/4	79,611	3/4	69,336
9	9	9	9	9	146,233	9	137,356	9	128,385	9	119,414	9	110,273	9	99,978	9	89,697	9	79,396	9	69,124
1/4	1/4	1/4	1/4	1/4	146,059	1/4	137,169	1/4	128,198	1/4	119,227	1/4	110,058	1/4	99,764	1/4	89,483	1/4	79,182	1/4	68,913
1/2	1/2	1/2	1/2	1/2	145,877	1/2	136,982	1/2	128,011	1/2	119,040	1/2	109,843	1/2	99,550	1/2	89,268	1/2	78,967	1/2	68,701
3/4	3/4	3/4	3/4	3/4	145,694	3/4	136,795	3/4	127,824	3/4	118,853	3/4	109,628	3/4	99,336	3/4	89,054	3/4	78,752	3/4	68,489
10	10	10	10	10	145,511	10	136,608	10	127,637	10	118,666	10	109,413	10	99,122	10	88,839	10	78,538	10	68,278
1/4	1/4	1/4	1/4	1/4	145,329	1/4	136,421	1/4	127,450	1/4	118,480	1/4	109,197	1/4	98,908	1/4	88,624	1/4	78,323	1/4	68,066
1/2	1/2	1/2	1/2	1/2	145,145	1/2	136,234	1/2	127,263	1/2	118,293	1/2	108,982	1/2	98,694	1/2	88,410	1/2	78,109	1/2	67,854
3/4	3/4	3/4	3/4	3/4	144,961	3/4	136,047	3/4	127,077	3/4	118,106	3/4	108,767	3/4	98,480	3/4	88,195	3/4	77,894	3/4	67,642
11	11	11	11	11	144,778	11	135,860	11	126,890	11	117,919	11	108,552	11	98,265	11	87,981	11	77,679	11	67,431
1/4	1/4	1/4	1/4	1/4	144,594	1/4	135,674	1/4	126,703	1/4	117,732	1/4	108,337	1/4	98,051	1/4	87,766	1/4	77,465	1/4	67,219
1/2	1/2	1/2	1/2	1/2	144,410	1/2	135,487	1/2	126,516	1/2	117,545	1/2	108,121	1/2	97,837	1/2	87,551	1/2	77,250	1/2	67,007
3/4	3/4	3/4	3/4	3/4	144,226	3/4	135,300	3/4	126,329	3/4	117,358	3/4	107,906	3/4	97,623	3/4	87,337	3/4	77,036	3/4	66,796

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 ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 21'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "KIRBY 11351"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-06 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	66,584	0	56,344	0	46,045	0	35,747	0	25,449	0	15,587	0	5,280	0		0		0	
1/4	66,372	1/4	56,129	1/4	45,831	1/4	35,532	1/4	25,234	1/4	15,383	1/4	5,065	1/4	1/4		1/4		1/4
1/2	66,161	1/2	55,914	1/2	45,616	1/2	35,318	1/2	25,020	1/2	15,171	1/2	4,851	1/2	1/2		1/2		1/2
3/4	65,949	3/4	55,700	3/4	45,402	3/4	35,103	3/4	24,805	3/4	14,958	3/4	4,636	3/4	3/4		3/4		3/4
1	65,737	1	55,485	1	45,187	1	34,889	1	24,591	1	14,746	1	4,421	1	1		1		1
1/4	65,526	1/4	55,271	1/4	44,973	1/4	34,674	1/4	24,376	1/4	14,534	1/4	4,206	1/4	1/4		1/4		1/4
1/2	65,314	1/2	55,056	1/2	44,758	1/2	34,460	1/2	24,161	1/2	14,318	1/2	3,995	1/2	1/2		1/2		1/2
3/4	65,102	3/4	54,842	3/4	44,543	3/4	34,245	3/4	23,947	3/4	14,103	3/4	3,784	3/4	3/4		3/4		3/4
2	64,891	2	54,627	2	44,329	2	34,031	2	23,732	2	13,888	2	3,573	2	2		2		2
1/4	64,679	1/4	54,413	1/4	44,114	1/4	33,816	1/4	23,518	1/4	13,673	1/4	3,362	1/4	1/4		1/4		1/4
1/2	64,467	1/2	54,198	1/2	43,900	1/2	33,602	1/2	23,311	1/2	13,458	1/2	3,157	1/2	1/2		1/2		1/2
3/4	64,255	3/4	53,984	3/4	43,685	3/4	33,387	3/4	23,104	3/4	13,242	3/4	2,951	3/4	3/4		3/4		3/4
3	64,044	3	53,769	3	43,471	3	33,172	3	22,897	3	13,027	3	2,745	3	3		3		3
1/4	63,832	1/4	53,554	1/4	43,256	1/4	32,958	1/4	22,691	1/4	12,812	1/4	2,540	1/4	1/4		1/4		1/4
1/2	63,620	1/2	53,340	1/2	43,042	1/2	32,743	1/2	22,487	1/2	12,597	1/2	2,340	1/2	1/2		1/2		1/2
3/4	63,409	3/4	53,125	3/4	42,827	3/4	32,529	3/4	22,283	3/4	12,382	3/4	2,140	3/4	3/4		3/4		3/4
4	63,197	4	52,911	4	42,613	4	32,314	4	22,079	4	12,166	4	1,941	4	4		4		4
1/4	62,985	1/4	52,696	1/4	42,398	1/4	32,100	1/4	21,876	1/4	11,951	1/4	1,741	1/4	1/4		1/4		1/4
1/2	62,772	1/2	52,482	1/2	42,183	1/2	31,885	1/2	21,673	1/2	11,736	1/2	1,547	1/2	1/2		1/2		1/2
3/4	62,558	3/4	52,267	3/4	41,969	3/4	31,671	3/4	21,470	3/4	11,521	3/4	1,354	3/4	3/4		3/4		3/4
5	62,344	5	52,053	5	41,754	5	31,456	5	21,267	5	11,306	5	1,160	5	5		5		5
1/4	62,130	1/4	51,838	1/4	41,540	1/4	31,242	1/4	21,064	1/4	11,091	1/4	967	1/4	1/4		1/4		1/4
1/2	61,916	1/2	51,624	1/2	41,325	1/2	31,027	1/2	20,861	1/2	10,875	1/2	781	1/2	1/2		1/2		1/2
3/4	61,702	3/4	51,409	3/4	41,111	3/4	30,812	3/4	20,658	3/4	10,660	3/4	595	3/4	3/4		3/4		3/4
6	61,488	6	51,194	6	40,896	6	30,598	6	20,456	6	10,445	6	408	6	6		6		6
1/4	61,273	1/4	50,980	1/4	40,682	1/4	30,383	1/4	20,253	1/4	10,230	1/4	222	1/4	1/4		1/4		1/4
1/2	61,059	1/2	50,765	1/2	40,467	1/2	30,169	1/2	20,050	1/2	10,015	1/2		1/2	1/2		1/2		1/2
3/4	60,845	3/4	50,551	3/4	40,253	3/4	29,954	3/4	19,847	3/4	9,799	3/4		3/4	3/4		3/4		3/4
7	60,630	7	50,336	7	40,038	7	29,740	7	19,645	7	9,584	7	7	7	7		7		7
1/4	60,416	1/4	50,122	1/4	39,823	1/4	29,525	1/4	19,442	1/4	9,369	1/4		1/4	1/4		1/4		1/4
1/2	60,202	1/2	49,907	1/2	39,609	1/2	29,311	1/2	19,239	1/2	9,154	1/2		1/2	1/2		1/2		1/2
3/4	59,987	3/4	49,693	3/4	39,394	3/4	29,096	3/4	19,036	3/4	8,939	3/4		3/4	3/4		3/4		3/4
8	59,773	8	49,478	8	39,180	8	28,882	8	18,834	8	8,723	8	8	8	8		8		8
1/4	59,559	1/4	49,264	1/4	38,965	1/4	28,667	1/4	18,631	1/4	8,508	1/4		1/4	1/4		1/4		1/4
1/2	59,345	1/2	49,049	1/2	38,751	1/2	28,452	1/2	18,428	1/2	8,293	1/2		1/2	1/2		1/2		1/2
3/4	59,130	3/4	48,834	3/4	38,536	3/4	28,238	3/4	18,225	3/4	8,078	3/4		3/4	3/4		3/4		3/4
9	58,916	9	48,620	9	38,322	9	28,023	9	18,023	9	7,863	9	9	9	9		9		9
1/4	58,702	1/4	48,405	1/4	38,107	1/4	27,809	1/4	17,820	1/4	7,647	1/4		1/4	1/4		1/4		1/4
1/2	58,487	1/2	48,191	1/2	37,892	1/2	27,594	1/2	17,617	1/2	7,432	1/2		1/2	1/2		1/2		1/2
3/4	58,273	3/4	47,976	3/4	37,678	3/4	27,380	3/4	17,414	3/4	7,217	3/4		3/4	3/4		3/4		3/4
10	58,059	10	47,762	10	37,463	10	27,165	10	17,212	10	7,002	10	10	10	10		10		10
1/4	57,845	1/4	47,547	1/4	37,249	1/4	26,951	1/4	17,009	1/4	6,787	1/4		1/4	1/4		1/4		1/4
1/2	57,630	1/2	47,333	1/2	37,034	1/2	26,736	1/2	16,806	1/2	6,572	1/2		1/2	1/2		1/2		1/2
3/4	57,416	3/4	47,118	3/4	36,820	3/4	26,521	3/4	16,603	3/4	6,356	3/4		3/4	3/4		3/4		3/4
11	57,201	11	46,903	11	36,605	11	26,307	11	16,401	11	6,141	11	11	11	11		11		11
1/4	56,987	1/4	46,689	1/4	36,391	1/4	26,092	1/4	16,198	1/4	5,926	1/4		1/4	1/4		1/4		1/4
1/2	56,773	1/2	46,474	1/2	36,176	1/2	25,878	1/2	15,994	1/2	5,711	1/2		1/2	1/2		1/2		1/2
3/4	56,558	3/4	46,260	3/4	35,962	3/4	25,663	3/4	15,791	3/4	5,496	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 CL  
CALCULATED: 04/22/2015 CL  
NAME CHANGE: 05/05/2015 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

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



# BARGE "KIRBY 11351"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-05 1/2"

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	167,804	0	156,230	0	144,614	0	132,998	0	121,382	0	109,766	0	98,150	0	86,534
1/4	1/4	1/4	1/4	1/4	167,566	1/4	155,988	1/4	144,372	1/4	132,756	1/4	121,140	1/4	109,524	1/4	97,908	1/4	86,292
1/2	1/2	1/2	1/2	1/2	167,328	1/2	155,746	1/2	144,130	1/2	132,514	1/2	120,898	1/2	109,282	1/2	97,666	1/2	86,050
3/4	3/4	3/4	3/4	3/4	167,090	3/4	155,504	3/4	143,888	3/4	132,272	3/4	120,656	3/4	109,040	3/4	97,424	3/4	85,808
1	1	1	1	1	166,851	1	155,262	1	143,646	1	132,030	1	120,414	1	108,798	1	97,182	1	85,566
1/4	1/4	1/4	1/4	1/4	166,613	1/4	155,020	1/4	143,404	1/4	131,788	1/4	120,172	1/4	108,556	1/4	96,940	1/4	85,324
1/2	1/2	1/2	1/2	1/2	166,375	1/2	154,778	1/2	143,162	1/2	131,546	1/2	119,930	1/2	108,314	1/2	96,698	1/2	85,082
3/4	3/4	3/4	3/4	3/4	166,137	3/4	154,536	3/4	142,920	3/4	131,304	3/4	119,688	3/4	108,072	3/4	96,456	3/4	84,840
2	2	2	2	2	165,899	2	154,294	2	142,678	2	131,062	2	119,446	2	107,830	2	96,214	2	84,598
1/4	1/4	1/4	1/4	1/4	165,661	1/4	154,052	1/4	142,436	1/4	130,820	1/4	119,204	1/4	107,588	1/4	95,972	1/4	84,356
1/2	1/2	1/2	1/2	1/2	165,423	1/2	153,810	1/2	142,194	1/2	130,578	1/2	118,962	1/2	107,346	1/2	95,730	1/2	84,114
3/4	3/4	3/4	3/4	3/4	165,182	3/4	153,568	3/4	141,952	3/4	130,336	3/4	118,720	3/4	107,104	3/4	95,488	3/4	83,872
3	3	173,956	3	164,941	3	153,326	3	141,710	3	130,094	3	118,478	3	106,862	3	95,246	3	83,630	
1/4	1/4	173,938	1/4	164,700	1/4	153,084	1/4	141,468	1/4	129,852	1/4	118,236	1/4	106,620	1/4	95,004	1/4	83,388	
1/2	1/2	173,920	1/2	164,459	1/2	152,842	1/2	141,226	1/2	129,610	1/2	117,994	1/2	106,378	1/2	94,762	1/2	83,146	
3/4	3/4	173,873	3/4	164,217	3/4	152,600	3/4	140,984	3/4	129,368	3/4	117,752	3/4	106,136	3/4	94,520	3/4	82,904	
4	4	173,826	4	163,975	4	152,358	4	140,742	4	129,126	4	117,510	4	105,894	4	94,278	4	82,662	
1/4	1/4	173,779	1/4	163,733	1/4	152,116	1/4	140,500	1/4	128,884	1/4	117,268	1/4	105,652	1/4	94,036	1/4	82,420	
1/2	1/2	173,732	1/2	163,491	1/2	151,874	1/2	140,258	1/2	128,642	1/2	117,026	1/2	105,410	1/2	93,794	1/2	82,178	
3/4	3/4	173,639	3/4	163,249	3/4	151,632	3/4	140,016	3/4	128,400	3/4	116,784	3/4	105,168	3/4	93,552	3/4	81,936	
5	5	173,546	5	163,007	5	151,390	5	139,774	5	128,158	5	116,542	5	104,926	5	93,310	5	81,694	
1/4	1/4	173,453	1/4	162,765	1/4	151,148	1/4	139,532	1/4	127,916	1/4	116,300	1/4	104,684	1/4	93,068	1/4	81,452	
1/2	1/2	173,361	1/2	162,523	1/2	150,906	1/2	139,290	1/2	127,674	1/2	116,058	1/2	104,442	1/2	92,826	1/2	81,210	
3/4	3/4	173,219	3/4	162,281	3/4	150,664	3/4	139,048	3/4	127,432	3/4	115,816	3/4	104,200	3/4	92,584	3/4	80,968	
6	6	173,078	6	162,039	6	150,422	6	138,806	6	127,190	6	115,574	6	103,958	6	92,342	6	80,726	
1/4	1/4	172,937	1/4	161,797	1/4	150,180	1/4	138,564	1/4	126,948	1/4	115,332	1/4	103,716	1/4	92,100	1/4	80,484	
1/2	1/2	172,795	1/2	161,555	1/2	149,938	1/2	138,322	1/2	126,706	1/2	115,090	1/2	103,474	1/2	91,858	1/2	80,242	
3/4	3/4	172,606	3/4	161,313	3/4	149,696	3/4	138,080	3/4	126,464	3/4	114,848	3/4	103,232	3/4	91,616	3/4	80,000	
7	7	172,416	7	161,071	7	149,454	7	137,838	7	126,222	7	114,606	7	102,990	7	91,374	7	79,758	
1/4	1/4	172,226	1/4	160,829	1/4	149,212	1/4	137,596	1/4	125,980	1/4	114,364	1/4	102,748	1/4	91,132	1/4	79,516	
1/2	1/2	172,037	1/2	160,587	1/2	148,970	1/2	137,354	1/2	125,738	1/2	114,122	1/2	102,506	1/2	90,890	1/2	79,274	
3/4	3/4	171,810	3/4	160,345	3/4	148,728	3/4	137,112	3/4	125,496	3/4	113,880	3/4	102,264	3/4	90,648	3/4	79,032	
8	8	171,584	8	160,103	8	148,486	8	136,870	8	125,254	8	113,638	8	102,022	8	90,406	8	78,790	
1/4	1/4	171,357	1/4	159,861	1/4	148,244	1/4	136,628	1/4	125,012	1/4	113,396	1/4	101,780	1/4	90,164	1/4	78,548	
1/2	1/2	171,130	1/2	159,618	1/2	148,002	1/2	136,386	1/2	124,770	1/2	113,154	1/2	101,538	1/2	89,922	1/2	78,306	
3/4	3/4	170,894	3/4	159,376	3/4	147,760	3/4	136,144	3/4	124,528	3/4	112,912	3/4	101,296	3/4	89,680	3/4	78,064	
9	9	170,657	9	159,134	9	147,518	9	135,902	9	124,286	9	112,670	9	101,054	9	89,438	9	77,822	
1/4	1/4	170,420	1/4	158,892	1/4	147,276	1/4	135,660	1/4	124,044	1/4	112,428	1/4	100,812	1/4	89,196	1/4	77,580	
1/2	1/2	170,184	1/2	158,650	1/2	147,034	1/2	135,418	1/2	123,802	1/2	112,186	1/2	100,570	1/2	88,954	1/2	77,338	
3/4	3/4	169,946	3/4	158,408	3/4	146,792	3/4	135,176	3/4	123,560	3/4	111,944	3/4	100,328	3/4	88,712	3/4	77,096	
10	10	169,708	10	158,166	10	146,550	10	134,934	10	123,318	10	111,702	10	100,086	10	88,470	10	76,854	
1/4	1/4	169,470	1/4	157,924	1/4	146,308	1/4	134,692	1/4	123,076	1/4	111,460	1/4	99,844	1/4	88,228	1/4	76,612	
1/2	1/2	169,232	1/2	157,682	1/2	146,066	1/2	134,450	1/2	122,834	1/2	111,218	1/2	99,602	1/2	87,986	1/2	76,370	
3/4	3/4	168,994	3/4	157,440	3/4	145,824	3/4	134,208	3/4	122,592	3/4	110,976	3/4	99,360	3/4	87,744	3/4	76,128	
11	11	168,756	11	157,198	11	145,582	11	133,966	11	122,350	11	110,734	11	99,118	11	87,502	11	75,886	
1/4	1/4	168,518	1/4	156,956	1/4	145,340	1/4	133,724	1/4	122,108	1/4	110,492	1/4	98,876	1/4	87,260	1/4	75,644	
1/2	1/2	168,280	1/2	156,714	1/2	145,098	1/2	133,482	1/2	121,866	1/2	110,250	1/2	98,634	1/2	87,018	1/2	75,402	
3/4	3/4	168,042	3/4	156,472	3/4	144,856	3/4	133,240	3/4	121,624	3/4	110,008	3/4	98,392	3/4	86,776	3/4	75,160	

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.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11351"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-05 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	74,918	0	63,302	0	51,686	0	40,069	0	28,453	0	17,169	0	5,557	0		0		0	
1/4	74,676	1/4	63,060	1/4	51,444	1/4	39,827	1/4	28,211	1/4	16,929	1/4	5,315	1/4	1/4		1/4		1/4
1/2	74,434	1/2	62,818	1/2	51,202	1/2	39,585	1/2	27,969	1/2	16,689	1/2	5,073	1/2	1/2		1/2		1/2
3/4	74,192	3/4	62,576	3/4	50,960	3/4	39,343	3/4	27,727	3/4	16,447	3/4	4,831	3/4	3/4		3/4		3/4
1	73,950	1	62,334	1	50,718	1	39,101	1	27,485	1	16,205	1	4,589	1	1		1		1
1/4	73,708	1/4	62,092	1/4	50,476	1/4	38,859	1/4	27,243	1/4	15,963	1/4	4,348	1/4	1/4		1/4		1/4
1/2	73,466	1/2	61,850	1/2	50,234	1/2	38,617	1/2	27,001	1/2	15,721	1/2	4,106	1/2	1/2		1/2		1/2
3/4	73,224	3/4	61,608	3/4	49,992	3/4	38,375	3/4	26,765	3/4	15,479	3/4	3,864	3/4	3/4		3/4		3/4
2	72,982	2	61,366	2	49,749	2	38,133	2	26,529	2	15,237	2	3,623	2	2		2		2
1/4	72,740	1/4	61,124	1/4	49,507	1/4	37,891	1/4	26,293	1/4	14,995	1/4	3,382	1/4	1/4		1/4		1/4
1/2	72,498	1/2	60,882	1/2	49,265	1/2	37,649	1/2	26,057	1/2	14,753	1/2	3,140	1/2	1/2		1/2		1/2
3/4	72,256	3/4	60,640	3/4	49,023	3/4	37,407	3/4	25,824	3/4	14,511	3/4	2,900	3/4	3/4		3/4		3/4
3	72,014	3	60,398	3	48,781	3	37,165	3	25,590	3	14,269	3	2,659	3	3		3		3
1/4	71,772	1/4	60,156	1/4	48,539	1/4	36,923	1/4	25,356	1/4	14,027	1/4	2,419	1/4	1/4		1/4		1/4
1/2	71,530	1/2	59,914	1/2	48,297	1/2	36,681	1/2	25,122	1/2	13,785	1/2	2,178	1/2	1/2		1/2		1/2
3/4	71,288	3/4	59,672	3/4	48,055	3/4	36,439	3/4	24,889	3/4	13,543	3/4	1,939	3/4	3/4		3/4		3/4
4	71,046	4	59,430	4	47,813	4	36,197	4	24,655	4	13,301	4	1,700	4	4		4		4
1/4	70,804	1/4	59,188	1/4	47,571	1/4	35,955	1/4	24,421	1/4	13,059	1/4	1,461	1/4	1/4		1/4		1/4
1/2	70,562	1/2	58,946	1/2	47,329	1/2	35,713	1/2	24,188	1/2	12,817	1/2	1,221	1/2	1/2		1/2		1/2
3/4	70,320	3/4	58,704	3/4	47,087	3/4	35,471	3/4	23,954	3/4	12,575	3/4	985	3/4	3/4		3/4		3/4
5	70,078	5	58,462	5	46,845	5	35,229	5	23,721	5	12,333	5	748	5	5		5		5
1/4	69,836	1/4	58,220	1/4	46,603	1/4	34,987	1/4	23,487	1/4	12,091	1/4	511	1/4	1/4		1/4		1/4
1/2	69,594	1/2	57,978	1/2	46,361	1/2	34,745	1/2	23,254	1/2	11,849	1/2	274	1/2	1/2		1/2		1/2
3/4	69,352	3/4	57,736	3/4	46,119	3/4	34,503	3/4	23,020	3/4	11,607	3/4		3/4	3/4		3/4		3/4
6	69,110	6	57,494	6	45,877	6	34,261	6	22,787	6	11,365	6		6	6		6		6
1/4	68,868	1/4	57,252	1/4	45,635	1/4	34,019	1/4	22,553	1/4	11,123	1/4		1/4	1/4		1/4		1/4
1/2	68,626	1/2	57,010	1/2	45,393	1/2	33,777	1/2	22,320	1/2	10,881	1/2		1/2	1/2		1/2		1/2
3/4	68,384	3/4	56,768	3/4	45,151	3/4	33,535	3/4	22,086	3/4	10,639	3/4		3/4	3/4		3/4		3/4
7	68,142	7	56,526	7	44,909	7	33,293	7	21,853	7	10,397	7		7	7		7		7
1/4	67,900	1/4	56,284	1/4	44,667	1/4	33,051	1/4	21,619	1/4	10,155	1/4		1/4	1/4		1/4		1/4
1/2	67,658	1/2	56,042	1/2	44,425	1/2	32,809	1/2	21,386	1/2	9,913	1/2		1/2	1/2		1/2		1/2
3/4	67,416	3/4	55,800	3/4	44,183	3/4	32,567	3/4	21,152	3/4	9,671	3/4		3/4	3/4		3/4		3/4
8	67,174	8	55,558	8	43,941	8	32,325	8	20,919	8	9,429	8		8	8		8		8
1/4	66,932	1/4	55,316	1/4	43,699	1/4	32,083	1/4	20,685	1/4	9,187	1/4		1/4	1/4		1/4		1/4
1/2	66,690	1/2	55,074	1/2	43,457	1/2	31,841	1/2	20,451	1/2	8,945	1/2		1/2	1/2		1/2		1/2
3/4	66,448	3/4	54,832	3/4	43,215	3/4	31,599	3/4	20,218	3/4	8,703	3/4		3/4	3/4		3/4		3/4
9	66,206	9	54,590	9	42,973	9	31,357	9	19,984	9	8,461	9		9	9		9		9
1/4	65,964	1/4	54,348	1/4	42,731	1/4	31,115	1/4	19,751	1/4	8,219	1/4		1/4	1/4		1/4		1/4
1/2	65,722	1/2	54,106	1/2	42,489	1/2	30,873	1/2	19,517	1/2	7,977	1/2		1/2	1/2		1/2		1/2
3/4	65,480	3/4	53,864	3/4	42,247	3/4	30,631	3/4	19,284	3/4	7,735	3/4		3/4	3/4		3/4		3/4
10	65,238	10	53,622	10	42,005	10	30,389	10	19,050	10	7,493	10		10	10		10		10
1/4	64,996	1/4	53,380	1/4	41,763	1/4	30,147	1/4	18,817	1/4	7,251	1/4		1/4	1/4		1/4		1/4
1/2	64,754	1/2	53,138	1/2	41,521	1/2	29,905	1/2	18,583	1/2	7,009	1/2		1/2	1/2		1/2		1/2
3/4	64,512	3/4	52,896	3/4	41,279	3/4	29,663	3/4	18,350	3/4	6,767	3/4		3/4	3/4		3/4		3/4
11	64,270	11	52,654	11	41,037	11	29,421	11	18,116	11	6,525	11		11	11		11		11
1/4	64,028	1/4	52,412	1/4	40,795	1/4	29,179	1/4	17,882	1/4	6,283	1/4		1/4	1/4		1/4		1/4
1/2	63,786	1/2	52,170	1/2	40,553	1/2	28,937	1/2	17,648	1/2	6,041	1/2		1/2	1/2		1/2		1/2
3/4	63,544	3/4	51,928	3/4	40,311	3/4	28,695	3/4	17,409	3/4	5,799	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 CL  
CALCULATED: 04/22/2015 CL  
NAME CHANGE: 05/05/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 11351"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					149,596																
1/4	1/4	1/4	1/4	1/4	149,384	1/4	1/4	1/4	128,741	1/4	1/4	1/4	108,062	1/4	1/4	1/4	87,384	1/4	1/4	1/4	77,045
1/2	1/2	1/2	1/2	1/2	149,172	1/2	1/2	1/2	128,525	1/2	1/2	1/2	107,847	1/2	1/2	1/2	87,169	1/2	1/2	1/2	76,830
3/4	3/4	3/4	3/4	3/4	148,961	3/4	3/4	3/4	128,310	3/4	3/4	3/4	107,632	3/4	3/4	3/4	86,953	3/4	3/4	3/4	76,614
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>148,749</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>128,095</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>107,416</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>86,738</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>76,399</b>
1/4	1/4	1/4	1/4	1/4	148,537	1/4	1/4	1/4	127,879	1/4	1/4	1/4	107,201	1/4	1/4	1/4	86,522	1/4	1/4	1/4	76,183
1/2	1/2	1/2	1/2	1/2	148,325	1/2	1/2	1/2	127,664	1/2	1/2	1/2	106,985	1/2	1/2	1/2	86,307	1/2	1/2	1/2	75,968
3/4	3/4	3/4	3/4	3/4	148,113	3/4	3/4	3/4	127,448	3/4	3/4	3/4	106,770	3/4	3/4	3/4	86,092	3/4	3/4	3/4	75,753
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>147,901</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>127,233</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>106,555</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>85,876</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>75,537</b>
1/4	1/4	1/4	1/4	1/4	147,689	1/4	1/4	1/4	127,018	1/4	1/4	1/4	106,339	1/4	1/4	1/4	85,661	1/4	1/4	1/4	75,322
1/2	1/2	1/2	1/2	1/2	147,477	1/2	1/2	1/2	126,802	1/2	1/2	1/2	106,124	1/2	1/2	1/2	85,445	1/2	1/2	1/2	75,106
3/4	3/4	3/4	3/4	3/4	147,262	3/4	3/4	3/4	126,587	3/4	3/4	3/4	105,908	3/4	3/4	3/4	85,230	3/4	3/4	3/4	74,891
<b>3</b>	<b>3</b>	<b>3</b>	<b>155,072</b>	<b>3</b>	<b>147,048</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>126,371</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>105,693</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>85,015</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>74,676</b>
1/4	1/4	1/4	1/4	1/4	146,833	1/4	1/4	1/4	126,156	1/4	1/4	1/4	105,478	1/4	1/4	1/4	84,799	1/4	1/4	1/4	74,460
1/2	1/2	1/2	1/2	1/2	146,619	1/2	1/2	1/2	125,941	1/2	1/2	1/2	105,262	1/2	1/2	1/2	84,584	1/2	1/2	1/2	74,245
3/4	3/4	3/4	3/4	3/4	146,403	3/4	3/4	3/4	125,725	3/4	3/4	3/4	105,047	3/4	3/4	3/4	84,368	3/4	3/4	3/4	74,029
<b>4</b>	<b>4</b>	<b>4</b>	<b>154,956</b>	<b>4</b>	<b>146,188</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>125,510</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>104,831</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>84,153</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>73,814</b>
1/4	1/4	1/4	1/4	1/4	145,973	1/4	1/4	1/4	125,294	1/4	1/4	1/4	104,616	1/4	1/4	1/4	83,938	1/4	1/4	1/4	73,599
1/2	1/2	1/2	1/2	1/2	145,757	1/2	1/2	1/2	125,079	1/2	1/2	1/2	104,401	1/2	1/2	1/2	83,722	1/2	1/2	1/2	73,383
3/4	3/4	3/4	3/4	3/4	145,542	3/4	3/4	3/4	124,864	3/4	3/4	3/4	104,185	3/4	3/4	3/4	83,507	3/4	3/4	3/4	73,168
<b>5</b>	<b>5</b>	<b>5</b>	<b>154,707</b>	<b>5</b>	<b>145,326</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>124,648</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>103,970</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>83,291</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>72,952</b>
1/4	1/4	1/4	1/4	1/4	145,111	1/4	1/4	1/4	124,433	1/4	1/4	1/4	103,754	1/4	1/4	1/4	83,076	1/4	1/4	1/4	72,737
1/2	1/2	1/2	1/2	1/2	144,896	1/2	1/2	1/2	124,217	1/2	1/2	1/2	103,539	1/2	1/2	1/2	82,861	1/2	1/2	1/2	72,522
3/4	3/4	3/4	3/4	3/4	144,680	3/4	3/4	3/4	124,002	3/4	3/4	3/4	103,324	3/4	3/4	3/4	82,645	3/4	3/4	3/4	72,306
<b>6</b>	<b>6</b>	<b>6</b>	<b>154,290</b>	<b>6</b>	<b>144,465</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>123,787</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>103,108</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>82,430</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>72,091</b>
1/4	1/4	1/4	1/4	1/4	144,249	1/4	1/4	1/4	123,571	1/4	1/4	1/4	102,893	1/4	1/4	1/4	82,215	1/4	1/4	1/4	71,875
1/2	1/2	1/2	1/2	1/2	144,034	1/2	1/2	1/2	123,356	1/2	1/2	1/2	102,677	1/2	1/2	1/2	81,999	1/2	1/2	1/2	71,660
3/4	3/4	3/4	3/4	3/4	143,819	3/4	3/4	3/4	123,140	3/4	3/4	3/4	102,462	3/4	3/4	3/4	81,784	3/4	3/4	3/4	71,445
<b>7</b>	<b>7</b>	<b>7</b>	<b>153,701</b>	<b>7</b>	<b>143,603</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>122,925</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>102,247</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>81,568</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>71,229</b>
1/4	1/4	1/4	1/4	1/4	143,388	1/4	1/4	1/4	122,710	1/4	1/4	1/4	102,031	1/4	1/4	1/4	81,353	1/4	1/4	1/4	71,014
1/2	1/2	1/2	1/2	1/2	143,173	1/2	1/2	1/2	122,494	1/2	1/2	1/2	101,816	1/2	1/2	1/2	81,138	1/2	1/2	1/2	70,798
3/4	3/4	3/4	3/4	3/4	142,957	3/4	3/4	3/4	122,279	3/4	3/4	3/4	101,600	3/4	3/4	3/4	80,922	3/4	3/4	3/4	70,583
<b>8</b>	<b>8</b>	<b>8</b>	<b>152,960</b>	<b>8</b>	<b>142,742</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>122,063</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>101,385</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>80,707</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>70,368</b>
1/4	1/4	1/4	1/4	1/4	142,526	1/4	1/4	1/4	121,848	1/4	1/4	1/4	101,170	1/4	1/4	1/4	80,491	1/4	1/4	1/4	70,152
1/2	1/2	1/2	1/2	1/2	142,311	1/2	1/2	1/2	121,633	1/2	1/2	1/2	100,954	1/2	1/2	1/2	80,276	1/2	1/2	1/2	69,937
3/4	3/4	3/4	3/4	3/4	142,096	3/4	3/4	3/4	121,417	3/4	3/4	3/4	100,739	3/4	3/4	3/4	80,061	3/4	3/4	3/4	69,721
<b>9</b>	<b>9</b>	<b>9</b>	<b>152,136</b>	<b>9</b>	<b>141,880</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>121,202</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>100,523</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>79,845</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>69,506</b>
1/4	1/4	1/4	1/4	1/4	141,665	1/4	1/4	1/4	120,986	1/4	1/4	1/4	100,308	1/4	1/4	1/4	79,630	1/4	1/4	1/4	69,291
1/2	1/2	1/2	1/2	1/2	141,449	1/2	1/2	1/2	120,771	1/2	1/2	1/2	100,093	1/2	1/2	1/2	79,414	1/2	1/2	1/2	69,075
3/4	3/4	3/4	3/4	3/4	141,234	3/4	3/4	3/4	120,556	3/4	3/4	3/4	99,877	3/4	3/4	3/4	79,199	3/4	3/4	3/4	68,860
<b>10</b>	<b>10</b>	<b>10</b>	<b>151,291</b>	<b>10</b>	<b>141,019</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>120,340</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>99,662</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>78,984</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>68,644</b>
1/4	1/4	1/4	1/4	1/4	140,809	1/4	1/4	1/4	120,125	1/4	1/4	1/4	99,446	1/4	1/4	1/4	78,768	1/4	1/4	1/4	68,429
1/2	1/2	1/2	1/2	1/2	140,588	1/2	1/2	1/2	119,909	1/2	1/2	1/2	99,231	1/2	1/2	1/2	78,553	1/2	1/2	1/2	68,214
3/4	3/4	3/4	3/4	3/4	140,372	3/4	3/4	3/4	119,694	3/4	3/4	3/4	99,016	3/4	3/4	3/4	78,337	3/4	3/4	3/4	67,998
<b>11</b>	<b>11</b>	<b>11</b>	<b>150,444</b>	<b>11</b>	<b>140,157</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>119,479</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>98,800</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>78,122</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>67,783</b>
1/4	1/4	1/4	1/4	1/4	139,942	1/4	1/4	1/4	119,263	1/4	1/4	1/4	98,585	1/4	1/4	1/4	77,907	1/4	1/4	1/4	67,567
1/2	1/2	1/2	1/2	1/2	139,726	1/2	1/2	1/2	119,048	1/2	1/2	1/2	98,369	1/2	1/2	1/2	77,691	1/2	1/2	1/2	67,352
3/4	3/4	3/4	3/4	3/4	139,511	3/4	3/4	3/4	118,832	3/4	3/4	3/4	98,154	3/4	3/4	3/4	77,476	3/4	3/4	3/4	67,137

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 ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 28'-03" 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 11351"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CGBM 130"

GAUGE HEIGHT 16'-05 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	66,921	0	56,582	0	46,243	0	35,904	0	25,564	0	15,288	0	4,950	0		0		0	
1/4	66,706	1/4	56,367	1/4	46,027	1/4	35,688	1/4	25,349	1/4	15,073	1/4	4,735	1/4	1/4		1/4		1/4
1/2	66,490	1/2	56,151	1/2	45,812	1/2	35,473	1/2	25,134	1/2	14,858	1/2	4,519	1/2	1/2		1/2		1/2
3/4	66,275	3/4	55,936	3/4	45,597	3/4	35,257	3/4	24,919	3/4	14,643	3/4	4,304	3/4	3/4		3/4		3/4
1	66,060	1	55,720	1	45,381	1	35,042	1	24,704	1	14,427	1	4,089	1	1		1		1
1/4	65,844	1/4	55,505	1/4	45,166	1/4	34,827	1/4	24,489	1/4	14,212	1/4	3,874	1/4	1/4		1/4		1/4
1/2	65,629	1/2	55,290	1/2	44,950	1/2	34,611	1/2	24,274	1/2	13,997	1/2	3,659	1/2	1/2		1/2		1/2
3/4	65,413	3/4	55,074	3/4	44,735	3/4	34,396	3/4	24,059	3/4	13,781	3/4	3,444	3/4	3/4		3/4		3/4
2	65,198	2	54,859	2	44,520	2	34,180	2	23,845	2	13,566	2	3,229	2	2		2		2
1/4	64,983	1/4	54,643	1/4	44,304	1/4	33,965	1/4	23,630	1/4	13,351	1/4	3,014	1/4	1/4		1/4		1/4
1/2	64,767	1/2	54,428	1/2	44,089	1/2	33,750	1/2	23,416	1/2	13,135	1/2	2,799	1/2	1/2		1/2		1/2
3/4	64,552	3/4	54,213	3/4	43,873	3/4	33,534	3/4	23,202	3/4	12,920	3/4	2,585	3/4	3/4		3/4		3/4
3	64,336	3	53,997	3	43,658	3	33,319	3	22,987	3	12,704	3	2,371	3	3		3		3
1/4	64,121	1/4	53,782	1/4	43,443	1/4	33,103	1/4	22,773	1/4	12,489	1/4	2,157	1/4	1/4		1/4		1/4
1/2	63,906	1/2	53,566	1/2	43,227	1/2	32,888	1/2	22,559	1/2	12,274	1/2	1,943	1/2	1/2		1/2		1/2
3/4	63,690	3/4	53,351	3/4	43,012	3/4	32,673	3/4	22,345	3/4	12,058	3/4	1,730	3/4	3/4		3/4		3/4
4	63,475	4	53,136	4	42,796	4	32,457	4	22,131	4	11,843	4	1,517	4	4		4		4
1/4	63,259	1/4	52,920	1/4	42,581	1/4	32,242	1/4	21,917	1/4	11,627	1/4	1,304	1/4	1/4		1/4		1/4
1/2	63,044	1/2	52,705	1/2	42,366	1/2	32,026	1/2	21,703	1/2	11,412	1/2	1,091	1/2	1/2		1/2		1/2
3/4	62,829	3/4	52,489	3/4	42,150	3/4	31,811	3/4	21,490	3/4	11,197	3/4	880	3/4	3/4		3/4		3/4
5	62,613	5	52,274	5	41,935	5	31,596	5	21,276	5	10,981	5	670	5	5		5		5
1/4	62,398	1/4	52,059	1/4	41,719	1/4	31,380	1/4	21,062	1/4	10,766	1/4	459	1/4	1/4		1/4		1/4
1/2	62,182	1/2	51,843	1/2	41,504	1/2	31,165	1/2	20,849	1/2	10,550	1/2	248	1/2	1/2		1/2		1/2
3/4	61,967	3/4	51,628	3/4	41,289	3/4	30,949	3/4	20,635	3/4	10,335	3/4		3/4	3/4		3/4		3/4
6	61,752	6	51,412	6	41,073	6	30,734	6	20,421	6	10,120	6		6	6		6		6
1/4	61,536	1/4	51,197	1/4	40,858	1/4	30,519	1/4	20,208	1/4	9,904	1/4		1/4	1/4		1/4		1/4
1/2	61,321	1/2	50,982	1/2	40,642	1/2	30,303	1/2	19,994	1/2	9,689	1/2		1/2	1/2		1/2		1/2
3/4	61,105	3/4	50,766	3/4	40,427	3/4	30,088	3/4	19,780	3/4	9,474	3/4		3/4	3/4		3/4		3/4
7	60,890	7	50,551	7	40,212	7	29,872	7	19,567	7	9,258	7		7	7		7		7
1/4	60,675	1/4	50,335	1/4	39,996	1/4	29,657	1/4	19,353	1/4	9,043	1/4		1/4	1/4		1/4		1/4
1/2	60,459	1/2	50,120	1/2	39,781	1/2	29,442	1/2	19,139	1/2	8,827	1/2		1/2	1/2		1/2		1/2
3/4	60,244	3/4	49,905	3/4	39,565	3/4	29,226	3/4	18,926	3/4	8,612	3/4		3/4	3/4		3/4		3/4
8	60,028	8	49,689	8	39,350	8	29,011	8	18,712	8	8,397	8		8	8		8		8
1/4	59,813	1/4	49,474	1/4	39,135	1/4	28,795	1/4	18,498	1/4	8,181	1/4		1/4	1/4		1/4		1/4
1/2	59,598	1/2	49,258	1/2	38,919	1/2	28,580	1/2	18,285	1/2	7,966	1/2		1/2	1/2		1/2		1/2
3/4	59,382	3/4	49,043	3/4	38,704	3/4	28,365	3/4	18,071	3/4	7,750	3/4		3/4	3/4		3/4		3/4
9	59,167	9	48,828	9	38,488	9	28,149	9	17,857	9	7,535	9		9	9		9		9
1/4	58,951	1/4	48,612	1/4	38,273	1/4	27,934	1/4	17,643	1/4	7,320	1/4		1/4	1/4		1/4		1/4
1/2	58,736	1/2	48,397	1/2	38,058	1/2	27,718	1/2	17,430	1/2	7,104	1/2		1/2	1/2		1/2		1/2
3/4	58,521	3/4	48,181	3/4	37,842	3/4	27,503	3/4	17,216	3/4	6,889	3/4		3/4	3/4		3/4		3/4
10	58,305	10	47,966	10	37,627	10	27,288	10	17,002	10	6,673	10		10	10		10		10
1/4	58,090	1/4	47,751	1/4	37,411	1/4	27,072	1/4	16,789	1/4	6,458	1/4		1/4	1/4		1/4		1/4
1/2	57,874	1/2	47,535	1/2	37,196	1/2	26,857	1/2	16,575	1/2	6,243	1/2		1/2	1/2		1/2		1/2
3/4	57,659	3/4	47,320	3/4	36,981	3/4	26,641	3/4	16,361	3/4	6,027	3/4		3/4	3/4		3/4		3/4
11	57,444	11	47,104	11	36,765	11	26,426	11	16,147	11	5,812	11		11	11		11		11
1/4	57,228	1/4	46,889	1/4	36,550	1/4	26,211	1/4	15,933	1/4	5,596	1/4		1/4	1/4		1/4		1/4
1/2	57,013	1/2	46,674	1/2	36,334	1/2	25,995	1/2	15,719	1/2	5,381	1/2		1/2	1/2		1/2		1/2
3/4	56,797	3/4	46,458	3/4	36,119	3/4	25,780	3/4	15,504	3/4	5,166	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 CL  
CALCULATED: 04/22/2015 CL  
NAME CHANGE: 08/05/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

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