



BARGE "CBC 381"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8
3 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

March 23, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 381"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	965	0	15,241	0	30,478	0	45,704	0	60,931	0	76,169	0	91,406	0	106,643	0	121,877	0	137,108
1/4	1,150	1/4	15,558	1/4	30,795	1/4	46,021	1/4	61,249	1/4	76,486	1/4	91,724	1/4	106,961	1/4	122,194	1/4	137,426
1/2	1,335	1/2	15,876	1/2	31,112	1/2	46,338	1/2	61,566	1/2	76,804	1/2	92,041	1/2	107,278	1/2	122,511	1/2	137,743
3/4	1,520	3/4	16,193	3/4	31,430	3/4	46,655	3/4	61,884	3/4	77,121	3/4	92,358	3/4	107,596	3/4	122,829	3/4	138,060
1	1,705	1	16,510	1	31,747	1	46,972	1	62,201	1	77,438	1	92,676	1	107,913	1	123,146	1	138,378
1/4	1,943	1/4	16,828	1/4	32,065	1/4	47,289	1/4	62,519	1/4	77,756	1/4	92,993	1/4	108,231	1/4	123,463	1/4	138,695
1/2	2,181	1/2	17,145	1/2	32,382	1/2	47,606	1/2	62,836	1/2	78,073	1/2	93,311	1/2	108,548	1/2	123,781	1/2	139,012
3/4	2,419	3/4	17,463	3/4	32,700	3/4	47,923	3/4	63,153	3/4	78,391	3/4	93,628	3/4	108,866	3/4	124,098	3/4	139,330
2	2,658	2	17,780	2	33,017	2	48,240	2	63,471	2	78,708	2	93,946	2	109,183	2	124,415	2	139,647
1/4	2,948	1/4	18,098	1/4	33,334	1/4	48,557	1/4	63,788	1/4	79,026	1/4	94,263	1/4	109,500	1/4	124,733	1/4	139,964
1/2	3,239	1/2	18,415	1/2	33,652	1/2	48,874	1/2	64,106	1/2	79,343	1/2	94,581	1/2	109,818	1/2	125,050	1/2	140,282
3/4	3,530	3/4	18,732	3/4	33,969	3/4	49,190	3/4	64,423	3/4	79,661	3/4	94,898	3/4	110,135	3/4	125,367	3/4	140,599
3	3,821	3	19,050	3	34,287	3	49,507	3	64,741	3	79,978	3	95,215	3	110,453	3	125,685	3	140,916
1/4	4,137	1/4	19,367	1/4	34,604	1/4	49,824	1/4	65,058	1/4	80,295	1/4	95,533	1/4	110,770	1/4	126,002	1/4	141,234
1/2	4,453	1/2	19,685	1/2	34,922	1/2	50,141	1/2	65,376	1/2	80,613	1/2	95,850	1/2	111,087	1/2	126,319	1/2	141,551
3/4	4,769	3/4	20,002	3/4	35,239	3/4	50,458	3/4	65,693	3/4	80,930	3/4	96,168	3/4	111,405	3/4	126,637	3/4	141,868
4	5,085	4	20,320	4	35,556	4	50,775	4	66,010	4	81,248	4	96,485	4	111,722	4	126,954	4	142,186
1/4	5,402	1/4	20,637	1/4	35,874	1/4	51,092	1/4	66,328	1/4	81,565	1/4	96,803	1/4	112,039	1/4	127,271	1/4	142,503
1/2	5,719	1/2	20,955	1/2	36,191	1/2	51,409	1/2	66,645	1/2	81,883	1/2	97,120	1/2	112,357	1/2	127,589	1/2	142,820
3/4	6,036	3/4	21,272	3/4	36,509	3/4	51,726	3/4	66,963	3/4	82,200	3/4	97,438	3/4	112,674	3/4	127,906	3/4	143,138
5	6,353	5	21,589	5	36,826	5	52,043	5	67,280	5	82,518	5	97,755	5	112,991	5	128,223	5	143,455
1/4	6,670	1/4	21,907	1/4	37,144	1/4	52,360	1/4	67,598	1/4	82,835	1/4	98,072	1/4	113,309	1/4	128,541	1/4	143,772
1/2	6,988	1/2	22,224	1/2	37,461	1/2	52,678	1/2	67,915	1/2	83,153	1/2	98,390	1/2	113,626	1/2	128,858	1/2	144,090
3/4	7,305	3/4	22,542	3/4	37,778	3/4	52,995	3/4	68,233	3/4	83,470	3/4	98,707	3/4	113,943	3/4	129,175	3/4	144,407
6	7,622	6	22,859	6	38,096	6	53,313	6	68,550	6	83,787	6	99,025	6	114,261	6	129,493	6	144,724
1/4	7,940	1/4	23,177	1/4	38,413	1/4	53,630	1/4	68,867	1/4	84,105	1/4	99,342	1/4	114,578	1/4	129,810	1/4	145,042
1/2	8,257	1/2	23,494	1/2	38,731	1/2	53,947	1/2	69,185	1/2	84,422	1/2	99,660	1/2	114,895	1/2	130,127	1/2	145,359
3/4	8,575	3/4	23,811	3/4	39,048	3/4	54,265	3/4	69,502	3/4	84,740	3/4	99,977	3/4	115,213	3/4	130,445	3/4	145,676
7	8,892	7	24,129	7	39,366	7	54,582	7	69,820	7	85,057	7	100,295	7	115,530	7	130,762	7	145,994
1/4	9,209	1/4	24,446	1/4	39,683	1/4	54,900	1/4	70,137	1/4	85,375	1/4	100,612	1/4	115,847	1/4	131,079	1/4	146,311
1/2	9,527	1/2	24,764	1/2	40,000	1/2	55,217	1/2	70,455	1/2	85,692	1/2	100,929	1/2	116,165	1/2	131,397	1/2	146,628
3/4	9,844	3/4	25,081	3/4	40,316	3/4	55,535	3/4	70,772	3/4	86,010	3/4	101,247	3/4	116,482	3/4	131,714	3/4	146,946
8	10,162	8	25,399	8	40,633	8	55,852	8	71,090	8	86,327	8	101,564	8	116,799	8	132,031	8	147,263
1/4	10,479	1/4	25,716	1/4	40,950	1/4	56,170	1/4	71,407	1/4	86,644	1/4	101,882	1/4	117,117	1/4	132,349	1/4	147,580
1/2	10,797	1/2	26,033	1/2	41,267	1/2	56,487	1/2	71,724	1/2	86,962	1/2	102,199	1/2	117,434	1/2	132,666	1/2	147,898
3/4	11,114	3/4	26,351	3/4	41,584	3/4	56,805	3/4	72,042	3/4	87,279	3/4	102,517	3/4	117,751	3/4	132,983	3/4	148,215
9	11,432	9	26,668	9	41,901	9	57,122	9	72,359	9	87,597	9	102,834	9	118,069	9	133,301	9	148,532
1/4	11,749	1/4	26,986	1/4	42,218	1/4	57,439	1/4	72,677	1/4	87,914	1/4	103,152	1/4	118,386	1/4	133,618	1/4	148,850
1/2	12,066	1/2	27,303	1/2	42,535	1/2	57,757	1/2	72,994	1/2	88,232	1/2	103,469	1/2	118,703	1/2	133,935	1/2	149,167
3/4	12,384	3/4	27,621	3/4	42,852	3/4	58,074	3/4	73,312	3/4	88,549	3/4	103,786	3/4	119,021	3/4	134,253	3/4	149,484
10	12,701	10	27,938	10	43,169	10	58,392	10	73,629	10	88,867	10	104,104	10	119,338	10	134,570	10	149,802
1/4	13,019	1/4	28,255	1/4	43,486	1/4	58,709	1/4	73,947	1/4	89,184	1/4	104,421	1/4	119,655	1/4	134,887	1/4	150,119
1/2	13,336	1/2	28,573	1/2	43,803	1/2	59,027	1/2	74,264	1/2	89,501	1/2	104,739	1/2	119,973	1/2	135,204	1/2	150,436
3/4	13,654	3/4	28,890	3/4	44,120	3/4	59,344	3/4	74,581	3/4	89,819	3/4	105,056	3/4	120,290	3/4	135,522	3/4	150,754
11	13,971	11	29,208	11	44,437	11	59,662	11	74,899	11	90,136	11	105,374	11	120,607	11	135,839	11	151,071
1/4	14,288	1/4	29,525	1/4	44,753	1/4	59,979	1/4	75,216	1/4	90,454	1/4	105,691	1/4	120,925	1/4	136,156	1/4	151,388
1/2	14,606	1/2	29,843	1/2	45,070	1/2	60,296	1/2	75,534	1/2	90,771	1/2	106,009	1/2	121,242	1/2	136,474	1/2	151,706
3/4	14,923	3/4	30,160	3/4	45,387	3/4	60,614	3/4	75,851	3/4	91,089	3/4	106,326	3/4	121,559	3/4	136,791	3/4	152,023

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	152,340	0	167,572	0	182,804	0	198,036	0	213,203	0		0		0		0		0	
1/4	152,658	1/4	167,889	1/4	183,121	1/4	198,353	1/4	213,516	1/4		1/4		1/4		1/4		1/4	
1/2	152,975	1/2	168,207	1/2	183,439	1/2	198,670	1/2	213,829	1/2		1/2		1/2		1/2		1/2	
3/4	153,292	3/4	168,524	3/4	183,756	3/4	198,988	3/4	214,142	3/4		3/4		3/4		3/4		3/4	
1	153,610	1	168,841	1	184,073	1	199,305	1	214,456	1		1		1		1		1	
1/4	153,927	1/4	169,159	1/4	184,390	1/4	199,621	1/4	214,769	1/4		1/4		1/4		1/4		1/4	
1/2	154,244	1/2	169,476	1/2	184,708	1/2	199,937	1/2	215,082	1/2		1/2		1/2		1/2		1/2	
3/4	154,562	3/4	169,793	3/4	185,025	3/4	200,253	3/4	215,395	3/4		3/4		3/4		3/4		3/4	
2	154,879	2	170,111	2	185,342	2	200,569	2	215,708	2		2		2		2		2	
1/4	155,196	1/4	170,428	1/4	185,660	1/4	200,885	1/4	216,021	1/4		1/4		1/4		1/4		1/4	
1/2	155,514	1/2	170,745	1/2	185,977	1/2	201,202	1/2	216,335	1/2		1/2		1/2		1/2		1/2	
3/4	155,831	3/4	171,063	3/4	186,294	3/4	201,518	3/4	216,648	3/4		3/4		3/4		3/4		3/4	
3	156,148	3	171,380	3	186,612	3	201,834	3	216,961	3		3		3		3		3	
1/4	156,466	1/4	171,697	1/4	186,929	1/4	202,150	1/4	217,274	1/4		1/4		1/4		1/4		1/4	
1/2	156,783	1/2	172,015	1/2	187,246	1/2	202,466	1/2	217,586	1/2		1/2		1/2		1/2		1/2	
3/4	157,100	3/4	172,332	3/4	187,564	3/4	202,782	3/4	217,899	3/4		3/4		3/4		3/4		3/4	
4	157,418	4	172,649	4	187,881	4	203,098	4	218,212	4		4		4		4		4	
1/4	157,735	1/4	172,967	1/4	188,198	1/4	203,414	1/4	218,524	1/4		1/4		1/4		1/4		1/4	
1/2	158,052	1/2	173,284	1/2	188,516	1/2	203,730	1/2	218,835	1/2		1/2		1/2		1/2		1/2	
3/4	158,370	3/4	173,601	3/4	188,833	3/4	204,047	3/4	219,147	3/4		3/4		3/4		3/4		3/4	
5	158,687	5	173,919	5	189,150	5	204,363	5	219,459	5		5		5		5		5	
1/4	159,004	1/4	174,236	1/4	189,468	1/4	204,679	1/4	219,745	1/4		1/4		1/4		1/4		1/4	
1/2	159,321	1/2	174,553	1/2	189,785	1/2	204,995	1/2	220,032	1/2		1/2		1/2		1/2		1/2	
3/4	159,639	3/4	174,871	3/4	190,102	3/4	205,311	3/4	220,319	3/4		3/4		3/4		3/4		3/4	
6	159,956	6	175,188	6	190,420	6	205,627	6	220,605	6		6		6		6		6	
1/4	160,273	1/4	175,505	1/4	190,737	1/4	205,943	1/4	220,839	1/4		1/4		1/4		1/4		1/4	
1/2	160,591	1/2	175,823	1/2	191,054	1/2	206,259	1/2	221,073	1/2		1/2		1/2		1/2		1/2	
3/4	160,908	3/4	176,140	3/4	191,372	3/4	206,575	3/4	221,307	3/4		3/4		3/4		3/4		3/4	
7	161,225	7	176,457	7	191,689	7	206,891	7	221,541	7		7		7		7		7	
1/4	161,543	1/4	176,775	1/4	192,006	1/4	207,208	1/4	221,723	1/4		1/4		1/4		1/4		1/4	
1/2	161,860	1/2	177,092	1/2	192,324	1/2	207,524	1/2	221,905	1/2		1/2		1/2		1/2		1/2	
3/4	162,177	3/4	177,409	3/4	192,641	3/4	207,840	3/4	222,087	3/4		3/4		3/4		3/4		3/4	
8	162,495	8	177,727	8	192,958	8	208,156	8	222,269	8		8		8		8		8	
1/4	162,812	1/4	178,044	1/4	193,276	1/4	208,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,129	1/2	178,361	1/2	193,593	1/2	208,788	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,447	3/4	178,679	3/4	193,910	3/4	209,104	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,764	9	178,996	9	194,228	9	209,420	9		9		9		9		9		9	
1/4	164,081	1/4	179,313	1/4	194,545	1/4	209,737	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,399	1/2	179,631	1/2	194,862	1/2	210,053	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,716	3/4	179,948	3/4	195,180	3/4	210,369	3/4		3/4		3/4		3/4		3/4		3/4	
10	165,033	10	180,265	10	195,497	10	210,685	10		10		10		10		10		10	
1/4	165,351	1/4	180,583	1/4	195,814	1/4	211,001	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,668	1/2	180,900	1/2	196,132	1/2	211,318	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,985	3/4	181,217	3/4	196,449	3/4	211,634	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,303	11	181,535	11	196,766	11	211,950	11		11		11		11		11		11	
1/4	166,620	1/4	181,852	1/4	197,084	1/4	212,263	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,937	1/2	182,169	1/2	197,401	1/2	212,576	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,255	3/4	182,487	3/4	197,718	3/4	212,890	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "CBC 381"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	965	0	15,241	0	30,478	0	45,664	0	60,852	0	76,089	0	91,326	0	106,564	0	121,797	0	137,029
1/4	1,150	1/4	15,558	1/4	30,795	1/4	45,980	1/4	61,169	1/4	76,406	1/4	91,644	1/4	106,881	1/4	122,114	1/4	137,346
1/2	1,335	1/2	15,876	1/2	31,112	1/2	46,295	1/2	61,486	1/2	76,724	1/2	91,961	1/2	107,199	1/2	122,432	1/2	137,663
3/4	1,520	3/4	16,193	3/4	31,430	3/4	46,610	3/4	61,804	3/4	77,041	3/4	92,279	3/4	107,516	3/4	122,749	3/4	137,981
1	1,705	1	16,510	1	31,747	1	46,925	1	62,121	1	77,359	1	92,596	1	107,834	1	123,066	1	138,298
1/4	1,943	1/4	16,828	1/4	32,065	1/4	47,241	1/4	62,439	1/4	77,676	1/4	92,914	1/4	108,151	1/4	123,384	1/4	138,615
1/2	2,181	1/2	17,145	1/2	32,382	1/2	47,556	1/2	62,756	1/2	77,994	1/2	93,231	1/2	108,468	1/2	123,701	1/2	138,933
3/4	2,420	3/4	17,463	3/4	32,700	3/4	47,871	3/4	63,074	3/4	78,311	3/4	93,548	3/4	108,786	3/4	124,018	3/4	139,250
2	2,658	2	17,780	2	33,017	2	48,186	2	63,391	2	78,629	2	93,866	2	109,103	2	124,336	2	139,567
1/4	2,948	1/4	18,098	1/4	33,334	1/4	48,502	1/4	63,709	1/4	78,946	1/4	94,183	1/4	109,421	1/4	124,653	1/4	139,885
1/2	3,239	1/2	18,415	1/2	33,652	1/2	48,817	1/2	64,026	1/2	79,263	1/2	94,501	1/2	109,738	1/2	124,970	1/2	140,202
3/4	3,530	3/4	18,732	3/4	33,969	3/4	49,132	3/4	64,343	3/4	79,581	3/4	94,818	3/4	110,056	3/4	125,288	3/4	140,519
3	3,821	3	19,050	3	34,287	3	49,448	3	64,661	3	79,898	3	95,136	3	110,373	3	125,605	3	140,837
1/4	4,137	1/4	19,367	1/4	34,604	1/4	49,763	1/4	64,978	1/4	80,216	1/4	95,453	1/4	110,690	1/4	125,922	1/4	141,154
1/2	4,453	1/2	19,685	1/2	34,922	1/2	50,078	1/2	65,296	1/2	80,533	1/2	95,771	1/2	111,008	1/2	126,240	1/2	141,471
3/4	4,769	3/4	20,002	3/4	35,239	3/4	50,393	3/4	65,613	3/4	80,851	3/4	96,088	3/4	111,325	3/4	126,557	3/4	141,789
4	5,085	4	20,320	4	35,556	4	50,709	4	65,931	4	81,168	4	96,405	4	111,642	4	126,874	4	142,106
1/4	5,402	1/4	20,637	1/4	35,874	1/4	51,024	1/4	66,248	1/4	81,486	1/4	96,723	1/4	111,960	1/4	127,192	1/4	142,423
1/2	5,719	1/2	20,955	1/2	36,191	1/2	51,339	1/2	66,566	1/2	81,803	1/2	97,040	1/2	112,277	1/2	127,509	1/2	142,741
3/4	6,036	3/4	21,272	3/4	36,509	3/4	51,654	3/4	66,883	3/4	82,120	3/4	97,358	3/4	112,594	3/4	127,826	3/4	143,058
5	6,353	5	21,589	5	36,826	5	51,970	5	67,200	5	82,438	5	97,675	5	112,912	5	128,143	5	143,375
1/4	6,670	1/4	21,907	1/4	37,144	1/4	52,285	1/4	67,518	1/4	82,755	1/4	97,993	1/4	113,229	1/4	128,461	1/4	143,693
1/2	6,988	1/2	22,224	1/2	37,461	1/2	52,601	1/2	67,835	1/2	83,073	1/2	98,310	1/2	113,546	1/2	128,778	1/2	144,010
3/4	7,305	3/4	22,542	3/4	37,778	3/4	52,917	3/4	68,153	3/4	83,390	3/4	98,628	3/4	113,864	3/4	129,095	3/4	144,327
6	7,622	6	22,859	6	38,096	6	53,233	6	68,470	6	83,708	6	98,945	6	114,181	6	129,413	6	144,645
1/4	7,940	1/4	23,177	1/4	38,412	1/4	53,550	1/4	68,788	1/4	84,025	1/4	99,262	1/4	114,498	1/4	129,730	1/4	144,962
1/2	8,257	1/2	23,494	1/2	38,727	1/2	53,868	1/2	69,105	1/2	84,343	1/2	99,580	1/2	114,816	1/2	130,047	1/2	145,279
3/4	8,575	3/4	23,811	3/4	39,043	3/4	54,185	3/4	69,423	3/4	84,660	3/4	99,897	3/4	115,133	3/4	130,365	3/4	145,597
7	8,892	7	24,129	7	39,359	7	54,503	7	69,740	7	84,977	7	100,215	7	115,450	7	130,682	7	145,914
1/4	9,210	1/4	24,446	1/4	39,674	1/4	54,820	1/4	70,057	1/4	85,295	1/4	100,532	1/4	115,768	1/4	130,999	1/4	146,231
1/2	9,527	1/2	24,764	1/2	39,990	1/2	55,138	1/2	70,375	1/2	85,612	1/2	100,850	1/2	116,085	1/2	131,317	1/2	146,549
3/4	9,844	3/4	25,081	3/4	40,305	3/4	55,455	3/4	70,692	3/4	85,930	3/4	101,167	3/4	116,402	3/4	131,634	3/4	146,866
8	10,162	8	25,399	8	40,620	8	55,772	8	71,010	8	86,247	8	101,485	8	116,720	8	131,951	8	147,183
1/4	10,479	1/4	25,716	1/4	40,935	1/4	56,090	1/4	71,327	1/4	86,565	1/4	101,802	1/4	117,037	1/4	132,269	1/4	147,501
1/2	10,797	1/2	26,033	1/2	41,251	1/2	56,407	1/2	71,645	1/2	86,882	1/2	102,119	1/2	117,354	1/2	132,586	1/2	147,818
3/4	11,114	3/4	26,351	3/4	41,566	3/4	56,725	3/4	71,962	3/4	87,200	3/4	102,437	3/4	117,672	3/4	132,903	3/4	148,135
9	11,432	9	26,668	9	41,881	9	57,042	9	72,280	9	87,517	9	102,754	9	117,989	9	133,221	9	148,453
1/4	11,749	1/4	26,986	1/4	42,196	1/4	57,360	1/4	72,597	1/4	87,834	1/4	103,072	1/4	118,306	1/4	133,538	1/4	148,770
1/2	12,066	1/2	27,303	1/2	42,512	1/2	57,677	1/2	72,914	1/2	88,152	1/2	103,389	1/2	118,624	1/2	133,855	1/2	149,087
3/4	12,384	3/4	27,621	3/4	42,827	3/4	57,995	3/4	73,232	3/4	88,469	3/4	103,707	3/4	118,941	3/4	134,173	3/4	149,405
10	12,701	10	27,938	10	43,142	10	58,312	10	73,549	10	88,787	10	104,024	10	119,258	10	134,490	10	149,722
1/4	13,019	1/4	28,255	1/4	43,457	1/4	58,629	1/4	73,867	1/4	89,104	1/4	104,342	1/4	119,576	1/4	134,807	1/4	150,039
1/2	13,336	1/2	28,573	1/2	43,773	1/2	58,947	1/2	74,184	1/2	89,422	1/2	104,659	1/2	119,893	1/2	135,125	1/2	150,357
3/4	13,654	3/4	28,890	3/4	44,088	3/4	59,264	3/4	74,502	3/4	89,739	3/4	104,977	3/4	120,210	3/4	135,442	3/4	150,674
11	13,971	11	29,208	11	44,403	11	59,582	11	74,819	11	90,057	11	105,294	11	120,528	11	135,759	11	150,991
1/4	14,288	1/4	29,525	1/4	44,719	1/4	59,899	1/4	75,137	1/4	90,374	1/4	105,611	1/4	120,845	1/4	136,077	1/4	151,308
1/2	14,606	1/2	29,843	1/2	45,034	1/2	60,217	1/2	75,454	1/2	90,691	1/2	105,929	1/2	121,162	1/2	136,394	1/2	151,626
3/4	14,923	3/4	30,160	3/4	45,349	3/4	60,534	3/4	75,771	3/4	91,009	3/4	106,246	3/4	121,480	3/4	136,711	3/4	151,943

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	152,260	0	167,492	0	182,724	0	197,956	0	213,123	0		0		0		0		0	
1/4	152,578	1/4	167,810	1/4	183,041	1/4	198,273	1/4	213,436	1/4		1/4		1/4		1/4		1/4	
1/2	152,895	1/2	168,127	1/2	183,359	1/2	198,590	1/2	213,749	1/2		1/2		1/2		1/2		1/2	
3/4	153,212	3/4	168,444	3/4	183,676	3/4	198,908	3/4	214,062	3/4		3/4		3/4		3/4		3/4	
1	153,530	1	168,762	1	183,993	1	199,225	1	214,376	1		1		1		1		1	
1/4	153,847	1/4	169,079	1/4	184,311	1/4	199,541	1/4	214,689	1/4		1/4		1/4		1/4		1/4	
1/2	154,164	1/2	169,396	1/2	184,628	1/2	199,857	1/2	215,002	1/2		1/2		1/2		1/2		1/2	
3/4	154,482	3/4	169,714	3/4	184,945	3/4	200,173	3/4	215,315	3/4		3/4		3/4		3/4		3/4	
2	154,799	2	170,031	2	185,263	2	200,490	2	215,628	2		2		2		2		2	
1/4	155,116	1/4	170,348	1/4	185,580	1/4	200,806	1/4	215,942	1/4		1/4		1/4		1/4		1/4	
1/2	155,434	1/2	170,666	1/2	185,897	1/2	201,122	1/2	216,255	1/2		1/2		1/2		1/2		1/2	
3/4	155,751	3/4	170,983	3/4	186,215	3/4	201,438	3/4	216,568	3/4		3/4		3/4		3/4		3/4	
3	156,068	3	171,300	3	186,532	3	201,754	3	216,881	3		3		3		3		3	
1/4	156,386	1/4	171,618	1/4	186,849	1/4	202,070	1/4	217,194	1/4		1/4		1/4		1/4		1/4	
1/2	156,703	1/2	171,935	1/2	187,167	1/2	202,386	1/2	217,507	1/2		1/2		1/2		1/2		1/2	
3/4	157,020	3/4	172,252	3/4	187,484	3/4	202,702	3/4	217,819	3/4		3/4		3/4		3/4		3/4	
4	157,338	4	172,570	4	187,801	4	203,018	4	218,132	4		4		4		4		4	
1/4	157,655	1/4	172,887	1/4	188,119	1/4	203,334	1/4	218,444	1/4		1/4		1/4		1/4		1/4	
1/2	157,972	1/2	173,204	1/2	188,436	1/2	203,651	1/2	218,755	1/2		1/2		1/2		1/2		1/2	
3/4	158,290	3/4	173,522	3/4	188,753	3/4	203,967	3/4	219,067	3/4		3/4		3/4		3/4		3/4	
5	158,607	5	173,839	5	189,071	5	204,283	5	219,379	5		5		5		5		5	
1/4	158,924	1/4	174,156	1/4	189,388	1/4	204,599	1/4	219,665	1/4		1/4		1/4		1/4		1/4	
1/2	159,242	1/2	174,473	1/2	189,705	1/2	204,915	1/2	219,952	1/2		1/2		1/2		1/2		1/2	
3/4	159,559	3/4	174,791	3/4	190,023	3/4	205,231	3/4	220,239	3/4		3/4		3/4		3/4		3/4	
6	159,876	6	175,108	6	190,340	6	205,547	6	220,525	6		6		6		6		6	
1/4	160,194	1/4	175,425	1/4	190,657	1/4	205,863	1/4	220,759	1/4		1/4		1/4		1/4		1/4	
1/2	160,511	1/2	175,743	1/2	190,975	1/2	206,179	1/2	220,993	1/2		1/2		1/2		1/2		1/2	
3/4	160,828	3/4	176,060	3/4	191,292	3/4	206,496	3/4	221,227	3/4		3/4		3/4		3/4		3/4	
7	161,146	7	176,377	7	191,609	7	206,812	7	221,461	7		7		7		7		7	
1/4	161,463	1/4	176,695	1/4	191,927	1/4	207,128	1/4	221,643	1/4		1/4		1/4		1/4		1/4	
1/2	161,780	1/2	177,012	1/2	192,244	1/2	207,444	1/2	221,825	1/2		1/2		1/2		1/2		1/2	
3/4	162,098	3/4	177,329	3/4	192,561	3/4	207,760	3/4	222,007	3/4		3/4		3/4		3/4		3/4	
8	162,415	8	177,647	8	192,879	8	208,076	8	222,189	8		8		8		8		8	
1/4	162,732	1/4	177,964	1/4	193,196	1/4	208,392	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,050	1/2	178,281	1/2	193,513	1/2	208,708	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,367	3/4	178,599	3/4	193,831	3/4	209,024	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,684	9	178,916	9	194,148	9	209,340	9		9		9		9		9		9	
1/4	164,002	1/4	179,233	1/4	194,465	1/4	209,657	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,319	1/2	179,551	1/2	194,783	1/2	209,973	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,636	3/4	179,868	3/4	195,100	3/4	210,289	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,954	10	180,185	10	195,417	10	210,605	10		10		10		10		10		10	
1/4	165,271	1/4	180,503	1/4	195,735	1/4	210,922	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,588	1/2	180,820	1/2	196,052	1/2	211,238	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,906	3/4	181,137	3/4	196,369	3/4	211,554	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,223	11	181,455	11	196,687	11	211,870	11		11		11		11		11		11	
1/4	166,540	1/4	181,772	1/4	197,004	1/4	212,183	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,858	1/2	182,089	1/2	197,321	1/2	212,497	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,175	3/4	182,407	3/4	197,638	3/4	212,810	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 381"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	961	0	15,180	0	30,357	0	45,523	0	60,690	0	75,867	0	91,045	0	106,222	0	121,395	0	136,566
1/4	1,145	1/4	15,497	1/4	30,673	1/4	45,839	1/4	61,006	1/4	76,184	1/4	91,361	1/4	106,538	1/4	121,711	1/4	136,882
1/2	1,330	1/2	15,813	1/2	30,989	1/2	46,155	1/2	61,323	1/2	76,500	1/2	91,677	1/2	106,854	1/2	122,027	1/2	137,198
3/4	1,514	3/4	16,129	3/4	31,306	3/4	46,471	3/4	61,639	3/4	76,816	3/4	91,993	3/4	107,170	3/4	122,343	3/4	137,514
1	1,699	1	16,445	1	31,622	1	46,786	1	61,955	1	77,132	1	92,309	1	107,486	1	122,659	1	137,830
1/4	1,936	1/4	16,761	1/4	31,938	1/4	47,102	1/4	62,271	1/4	77,448	1/4	92,626	1/4	107,803	1/4	122,975	1/4	138,147
1/2	2,173	1/2	17,078	1/2	32,254	1/2	47,418	1/2	62,587	1/2	77,765	1/2	92,942	1/2	108,119	1/2	123,291	1/2	138,463
3/4	2,410	3/4	17,394	3/4	32,570	3/4	47,733	3/4	62,904	3/4	78,081	3/4	93,258	3/4	108,435	3/4	123,607	3/4	138,779
2	2,647	2	17,710	2	32,886	2	48,049	2	63,220	2	78,397	2	93,574	2	108,751	2	123,923	2	139,095
1/4	2,937	1/4	18,026	1/4	33,203	1/4	48,365	1/4	63,536	1/4	78,713	1/4	93,890	1/4	109,067	1/4	124,239	1/4	139,411
1/2	3,227	1/2	18,342	1/2	33,519	1/2	48,680	1/2	63,852	1/2	79,029	1/2	94,206	1/2	109,384	1/2	124,555	1/2	139,727
3/4	3,516	3/4	18,658	3/4	33,835	3/4	48,996	3/4	64,168	3/4	79,346	3/4	94,523	3/4	109,700	3/4	124,871	3/4	140,043
3	3,806	3	18,975	3	34,151	3	49,312	3	64,485	3	79,662	3	94,839	3	110,016	3	125,188	3	140,359
1/4	4,121	1/4	19,291	1/4	34,467	1/4	49,627	1/4	64,801	1/4	79,978	1/4	95,155	1/4	110,332	1/4	125,504	1/4	140,675
1/2	4,435	1/2	19,607	1/2	34,784	1/2	49,943	1/2	65,117	1/2	80,294	1/2	95,471	1/2	110,648	1/2	125,820	1/2	140,991
3/4	4,750	3/4	19,923	3/4	35,100	3/4	50,259	3/4	65,433	3/4	80,610	3/4	95,787	3/4	110,964	3/4	126,136	3/4	141,307
4	5,065	4	20,239	4	35,416	4	50,574	4	65,749	4	80,926	4	96,104	4	111,280	4	126,452	4	141,623
1/4	5,380	1/4	20,556	1/4	35,732	1/4	50,890	1/4	66,066	1/4	81,243	1/4	96,420	1/4	111,596	1/4	126,768	1/4	141,939
1/2	5,696	1/2	20,872	1/2	36,048	1/2	51,206	1/2	66,382	1/2	81,559	1/2	96,736	1/2	111,912	1/2	127,084	1/2	142,256
3/4	6,012	3/4	21,188	3/4	36,364	3/4	51,521	3/4	66,698	3/4	81,875	3/4	97,052	3/4	112,229	3/4	127,400	3/4	142,572
5	6,328	5	21,504	5	36,681	5	51,837	5	67,014	5	82,191	5	97,368	5	112,545	5	127,716	5	142,888
1/4	6,644	1/4	21,820	1/4	36,997	1/4	52,153	1/4	67,330	1/4	82,507	1/4	97,685	1/4	112,861	1/4	128,032	1/4	143,204
1/2	6,960	1/2	22,136	1/2	37,313	1/2	52,469	1/2	67,646	1/2	82,824	1/2	98,001	1/2	113,177	1/2	128,348	1/2	143,520
3/4	7,276	3/4	22,453	3/4	37,629	3/4	52,786	3/4	67,963	3/4	83,140	3/4	98,317	3/4	113,493	3/4	128,664	3/4	143,836
6	7,592	6	22,769	6	37,945	6	53,102	6	68,279	6	83,456	6	98,633	6	113,809	6	128,980	6	144,152
1/4	7,908	1/4	23,085	1/4	38,261	1/4	53,418	1/4	68,595	1/4	83,772	1/4	98,949	1/4	114,125	1/4	129,296	1/4	144,468
1/2	8,225	1/2	23,401	1/2	38,578	1/2	53,734	1/2	68,911	1/2	84,088	1/2	99,266	1/2	114,441	1/2	129,613	1/2	144,784
3/4	8,541	3/4	23,717	3/4	38,894	3/4	54,050	3/4	69,227	3/4	84,405	3/4	99,582	3/4	114,757	3/4	129,929	3/4	145,100
7	8,857	7	24,033	7	39,210	7	54,366	7	69,544	7	84,721	7	99,898	7	115,073	7	130,245	7	145,416
1/4	9,173	1/4	24,350	1/4	39,526	1/4	54,683	1/4	69,860	1/4	85,037	1/4	100,214	1/4	115,389	1/4	130,561	1/4	145,732
1/2	9,489	1/2	24,666	1/2	39,841	1/2	54,999	1/2	70,176	1/2	85,353	1/2	100,530	1/2	115,705	1/2	130,877	1/2	146,048
3/4	9,805	3/4	24,982	3/4	40,157	3/4	55,315	3/4	70,492	3/4	85,669	3/4	100,846	3/4	116,021	3/4	131,193	3/4	146,364
8	10,122	8	25,298	8	40,473	8	55,631	8	70,808	8	85,986	8	101,163	8	116,337	8	131,509	8	146,681
1/4	10,438	1/4	25,614	1/4	40,788	1/4	55,947	1/4	71,125	1/4	86,302	1/4	101,479	1/4	116,654	1/4	131,825	1/4	146,997
1/2	10,754	1/2	25,931	1/2	41,104	1/2	56,264	1/2	71,441	1/2	86,618	1/2	101,795	1/2	116,970	1/2	132,141	1/2	147,313
3/4	11,070	3/4	26,247	3/4	41,420	3/4	56,580	3/4	71,757	3/4	86,934	3/4	102,111	3/4	117,286	3/4	132,457	3/4	147,629
9	11,386	9	26,563	9	41,735	9	56,896	9	72,073	9	87,250	9	102,427	9	117,602	9	132,773	9	147,945
1/4	11,703	1/4	26,879	1/4	42,051	1/4	57,212	1/4	72,389	1/4	87,566	1/4	102,744	1/4	117,918	1/4	133,089	1/4	148,261
1/2	12,019	1/2	27,195	1/2	42,367	1/2	57,528	1/2	72,706	1/2	87,883	1/2	103,060	1/2	118,234	1/2	133,405	1/2	148,577
3/4	12,335	3/4	27,511	3/4	42,682	3/4	57,845	3/4	73,022	3/4	88,199	3/4	103,376	3/4	118,550	3/4	133,722	3/4	148,893
10	12,651	10	27,828	10	42,998	10	58,161	10	73,338	10	88,515	10	103,692	10	118,866	10	134,038	10	149,209
1/4	12,967	1/4	28,144	1/4	43,314	1/4	58,477	1/4	73,654	1/4	88,831	1/4	104,008	1/4	119,182	1/4	134,354	1/4	149,525
1/2	13,283	1/2	28,460	1/2	43,629	1/2	58,793	1/2	73,970	1/2	89,147	1/2	104,325	1/2	119,498	1/2	134,670	1/2	149,841
3/4	13,600	3/4	28,776	3/4	43,945	3/4	59,109	3/4	74,286	3/4	89,464	3/4	104,641	3/4	119,814	3/4	134,986	3/4	150,157
11	13,916	11	29,092	11	44,261	11	59,426	11	74,603	11	89,780	11	104,957	11	120,130	11	135,302	11	150,473
1/4	14,232	1/4	29,408	1/4	44,576	1/4	59,742	1/4	74,919	1/4	90,096	1/4	105,273	1/4	120,446	1/4	135,618	1/4	150,790
1/2	14,548	1/2	29,725	1/2	44,892	1/2	60,058	1/2	75,235	1/2	90,412	1/2	105,589	1/2	120,762	1/2	135,934	1/2	151,106
3/4	14,864	3/4	30,041	3/4	45,208	3/4	60,374	3/4	75,551	3/4	90,728	3/4	105,906	3/4	121,079	3/4	136,250	3/4	151,422

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,738	0	166,909	0	182,081	0	197,252	0	212,359	0		0		0		0		0	
1/4	152,054	1/4	167,225	1/4	182,397	1/4	197,568	1/4	212,671	1/4		1/4		1/4		1/4		1/4	
1/2	152,370	1/2	167,541	1/2	182,713	1/2	197,885	1/2	212,983	1/2		1/2		1/2		1/2		1/2	
3/4	152,686	3/4	167,857	3/4	183,029	3/4	198,201	3/4	213,295	3/4		3/4		3/4		3/4		3/4	
1	153,002	1	168,174	1	183,345	1	198,517	1	213,607	1		1		1		1		1	
1/4	153,318	1/4	168,490	1/4	183,661	1/4	198,832	1/4	213,919	1/4		1/4		1/4		1/4		1/4	
1/2	153,634	1/2	168,806	1/2	183,977	1/2	199,146	1/2	214,231	1/2		1/2		1/2		1/2		1/2	
3/4	153,950	3/4	169,122	3/4	184,293	3/4	199,461	3/4	214,543	3/4		3/4		3/4		3/4		3/4	
2	154,266	2	169,438	2	184,609	2	199,776	2	214,855	2		2		2		2		2	
1/4	154,582	1/4	169,754	1/4	184,925	1/4	200,091	1/4	215,167	1/4		1/4		1/4		1/4		1/4	
1/2	154,898	1/2	170,070	1/2	185,242	1/2	200,406	1/2	215,479	1/2		1/2		1/2		1/2		1/2	
3/4	155,215	3/4	170,386	3/4	185,558	3/4	200,721	3/4	215,791	3/4		3/4		3/4		3/4		3/4	
3	155,531	3	170,702	3	185,874	3	201,035	3	216,102	3		3		3		3		3	
1/4	155,847	1/4	171,018	1/4	186,190	1/4	201,350	1/4	216,414	1/4		1/4		1/4		1/4		1/4	
1/2	156,163	1/2	171,334	1/2	186,506	1/2	201,665	1/2	216,725	1/2		1/2		1/2		1/2		1/2	
3/4	156,479	3/4	171,650	3/4	186,822	3/4	201,980	3/4	217,037	3/4		3/4		3/4		3/4		3/4	
4	156,795	4	171,966	4	187,138	4	202,295	4	217,348	4		4		4		4		4	
1/4	157,111	1/4	172,283	1/4	187,454	1/4	202,610	1/4	217,659	1/4		1/4		1/4		1/4		1/4	
1/2	157,427	1/2	172,599	1/2	187,770	1/2	202,925	1/2	217,969	1/2		1/2		1/2		1/2		1/2	
3/4	157,743	3/4	172,915	3/4	188,086	3/4	203,239	3/4	218,280	3/4		3/4		3/4		3/4		3/4	
5	158,059	5	173,231	5	188,402	5	203,554	5	218,590	5		5		5		5		5	
1/4	158,375	1/4	173,547	1/4	188,718	1/4	203,869	1/4	218,876	1/4		1/4		1/4		1/4		1/4	
1/2	158,691	1/2	173,863	1/2	189,034	1/2	204,184	1/2	219,161	1/2		1/2		1/2		1/2		1/2	
3/4	159,007	3/4	174,179	3/4	189,351	3/4	204,499	3/4	219,447	3/4		3/4		3/4		3/4		3/4	
6	159,324	6	174,495	6	189,667	6	204,814	6	219,732	6		6		6		6		6	
1/4	159,640	1/4	174,811	1/4	189,983	1/4	205,129	1/4	219,965	1/4		1/4		1/4		1/4		1/4	
1/2	159,956	1/2	175,127	1/2	190,299	1/2	205,443	1/2	220,198	1/2		1/2		1/2		1/2		1/2	
3/4	160,272	3/4	175,443	3/4	190,615	3/4	205,758	3/4	220,431	3/4		3/4		3/4		3/4		3/4	
7	160,588	7	175,759	7	190,931	7	206,073	7	220,664	7		7		7		7		7	
1/4	160,904	1/4	176,075	1/4	191,247	1/4	206,388	1/4	220,845	1/4		1/4		1/4		1/4		1/4	
1/2	161,220	1/2	176,391	1/2	191,563	1/2	206,703	1/2	221,027	1/2		1/2		1/2		1/2		1/2	
3/4	161,536	3/4	176,708	3/4	191,879	3/4	207,018	3/4	221,208	3/4		3/4		3/4		3/4		3/4	
8	161,852	8	177,024	8	192,195	8	207,332	8	221,389	8		8		8		8		8	
1/4	162,168	1/4	177,340	1/4	192,511	1/4	207,647	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,484	1/2	177,656	1/2	192,827	1/2	207,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,800	3/4	177,972	3/4	193,143	3/4	208,277	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,116	9	178,288	9	193,459	9	208,592	9		9		9		9		9		9	
1/4	163,432	1/4	178,604	1/4	193,776	1/4	208,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,749	1/2	178,920	1/2	194,092	1/2	209,222	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,065	3/4	179,236	3/4	194,408	3/4	209,537	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,381	10	179,552	10	194,724	10	209,852	10		10		10		10		10		10	
1/4	164,697	1/4	179,868	1/4	195,040	1/4	210,167	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,013	1/2	180,184	1/2	195,356	1/2	210,482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,329	3/4	180,500	3/4	195,672	3/4	210,797	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,645	11	180,817	11	195,988	11	211,112	11		11		11		11		11		11	
1/4	165,961	1/4	181,133	1/4	196,304	1/4	211,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,277	1/2	181,449	1/2	196,620	1/2	211,735	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,593	3/4	181,765	3/4	196,936	3/4	212,047	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 381"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	961	0	15,182	0	30,361	0	45,195	0	60,030	0	75,209	0	90,388	0	105,567	0	120,742	0	135,915
1/4	1,146	1/4	15,499	1/4	30,677	1/4	45,497	1/4	60,347	1/4	75,526	1/4	90,705	1/4	105,884	1/4	121,058	1/4	136,232
1/2	1,330	1/2	15,815	1/2	30,993	1/2	45,799	1/2	60,663	1/2	75,842	1/2	91,021	1/2	106,200	1/2	121,374	1/2	136,548
3/4	1,514	3/4	16,131	3/4	31,309	3/4	46,101	3/4	60,979	3/4	76,158	3/4	91,337	3/4	106,516	3/4	121,690	3/4	136,864
1	1,699	1	16,447	1	31,626	1	46,403	1	61,295	1	76,474	1	91,653	1	106,832	1	122,007	1	137,180
1/4	1,936	1/4	16,763	1/4	31,942	1/4	46,704	1/4	61,612	1/4	76,791	1/4	91,969	1/4	107,148	1/4	122,323	1/4	137,496
1/2	2,173	1/2	17,080	1/2	32,258	1/2	47,006	1/2	61,928	1/2	77,107	1/2	92,286	1/2	107,465	1/2	122,639	1/2	137,812
3/4	2,410	3/4	17,396	3/4	32,574	3/4	47,308	3/4	62,244	3/4	77,423	3/4	92,602	3/4	107,781	3/4	122,955	3/4	138,128
2	2,647	2	17,712	2	32,890	2	47,610	2	62,560	2	77,739	2	92,918	2	108,097	2	123,271	2	138,444
1/4	2,937	1/4	18,028	1/4	33,207	1/4	47,912	1/4	62,876	1/4	78,055	1/4	93,234	1/4	108,413	1/4	123,587	1/4	138,760
1/2	3,227	1/2	18,344	1/2	33,523	1/2	48,213	1/2	63,193	1/2	78,372	1/2	93,551	1/2	108,730	1/2	123,903	1/2	139,077
3/4	3,517	3/4	18,661	3/4	33,839	3/4	48,515	3/4	63,509	3/4	78,688	3/4	93,867	3/4	109,046	3/4	124,219	3/4	139,393
3	3,806	3	18,977	3	34,155	3	48,817	3	63,825	3	79,004	3	94,183	3	109,362	3	124,535	3	139,709
1/4	4,121	1/4	19,293	1/4	34,471	1/4	49,119	1/4	64,141	1/4	79,320	1/4	94,499	1/4	109,678	1/4	124,852	1/4	140,025
1/2	4,436	1/2	19,609	1/2	34,788	1/2	49,421	1/2	64,458	1/2	79,637	1/2	94,816	1/2	109,994	1/2	125,168	1/2	140,341
3/4	4,751	3/4	19,926	3/4	35,104	3/4	49,723	3/4	64,774	3/4	79,953	3/4	95,132	3/4	110,310	3/4	125,484	3/4	140,657
4	5,065	4	20,242	4	35,420	4	50,024	4	65,090	4	80,269	4	95,448	4	110,626	4	125,800	4	140,973
1/4	5,381	1/4	20,558	1/4	35,736	1/4	50,326	1/4	65,406	1/4	80,585	1/4	95,764	1/4	110,943	1/4	126,116	1/4	141,289
1/2	5,697	1/2	20,874	1/2	36,053	1/2	50,628	1/2	65,723	1/2	80,901	1/2	96,080	1/2	111,259	1/2	126,432	1/2	141,605
3/4	6,013	3/4	21,190	3/4	36,369	3/4	50,930	3/4	66,039	3/4	81,218	3/4	96,397	3/4	111,575	3/4	126,748	3/4	141,922
5	6,328	5	21,507	5	36,685	5	51,232	5	66,355	5	81,534	5	96,713	5	111,891	5	127,064	5	142,238
1/4	6,645	1/4	21,823	1/4	37,001	1/4	51,534	1/4	66,671	1/4	81,850	1/4	97,029	1/4	112,207	1/4	127,380	1/4	142,554
1/2	6,961	1/2	22,139	1/2	37,317	1/2	51,836	1/2	66,987	1/2	82,166	1/2	97,345	1/2	112,523	1/2	127,697	1/2	142,870
3/4	7,277	3/4	22,455	3/4	37,634	3/4	52,139	3/4	67,304	3/4	82,483	3/4	97,662	3/4	112,839	3/4	128,013	3/4	143,186
6	7,593	6	22,771	6	37,950	6	52,441	6	67,620	6	82,799	6	97,978	6	113,155	6	128,329	6	143,502
1/4	7,909	1/4	23,088	1/4	38,252	1/4	52,757	1/4	67,936	1/4	83,115	1/4	98,294	1/4	113,471	1/4	128,645	1/4	143,818
1/2	8,226	1/2	23,404	1/2	38,554	1/2	53,073	1/2	68,252	1/2	83,431	1/2	98,610	1/2	113,788	1/2	128,961	1/2	144,134
3/4	8,542	3/4	23,720	3/4	38,857	3/4	53,390	3/4	68,569	3/4	83,748	3/4	98,927	3/4	114,104	3/4	129,277	3/4	144,450
7	8,858	7	24,036	7	39,159	7	53,706	7	68,885	7	84,064	7	99,243	7	114,420	7	129,593	7	144,767
1/4	9,174	1/4	24,353	1/4	39,461	1/4	54,022	1/4	69,201	1/4	84,380	1/4	99,559	1/4	114,736	1/4	129,909	1/4	145,083
1/2	9,490	1/2	24,669	1/2	39,763	1/2	54,338	1/2	69,517	1/2	84,696	1/2	99,875	1/2	115,052	1/2	130,225	1/2	145,399
3/4	9,807	3/4	24,985	3/4	40,065	3/4	54,655	3/4	69,833	3/4	85,012	3/4	100,191	3/4	115,368	3/4	130,542	3/4	145,715
8	10,123	8	25,301	8	40,366	8	54,971	8	70,150	8	85,329	8	100,508	8	115,684	8	130,858	8	146,031
1/4	10,439	1/4	25,617	1/4	40,668	1/4	55,287	1/4	70,466	1/4	85,645	1/4	100,824	1/4	116,000	1/4	131,174	1/4	146,347
1/2	10,755	1/2	25,934	1/2	40,970	1/2	55,603	1/2	70,782	1/2	85,961	1/2	101,140	1/2	116,316	1/2	131,490	1/2	146,663
3/4	11,071	3/4	26,250	3/4	41,272	3/4	55,919	3/4	71,098	3/4	86,277	3/4	101,456	3/4	116,633	3/4	131,806	3/4	146,979
9	11,388	9	26,566	9	41,574	9	56,236	9	71,415	9	86,594	9	101,773	9	116,949	9	132,122	9	147,295
1/4	11,704	1/4	26,882	1/4	41,875	1/4	56,552	1/4	71,731	1/4	86,910	1/4	102,089	1/4	117,265	1/4	132,438	1/4	147,612
1/2	12,020	1/2	27,199	1/2	42,177	1/2	56,868	1/2	72,047	1/2	87,226	1/2	102,405	1/2	117,581	1/2	132,754	1/2	147,928
3/4	12,336	3/4	27,515	3/4	42,479	3/4	57,184	3/4	72,363	3/4	87,542	3/4	102,721	3/4	117,897	3/4	133,070	3/4	148,244
10	12,653	10	27,831	10	42,781	10	57,501	10	72,680	10	87,859	10	103,037	10	118,213	10	133,387	10	148,560
1/4	12,969	1/4	28,147	1/4	43,083	1/4	57,817	1/4	72,996	1/4	88,175	1/4	103,354	1/4	118,529	1/4	133,703	1/4	148,876
1/2	13,285	1/2	28,463	1/2	43,384	1/2	58,133	1/2	73,312	1/2	88,491	1/2	103,670	1/2	118,845	1/2	134,019	1/2	149,192
3/4	13,601	3/4	28,780	3/4	43,686	3/4	58,449	3/4	73,628	3/4	88,807	3/4	103,986	3/4	119,162	3/4	134,335	3/4	149,508
11	13,917	11	29,096	11	43,988	11	58,765	11	73,944	11	89,123	11	104,302	11	119,478	11	134,651	11	149,824
1/4	14,234	1/4	29,412	1/4	44,290	1/4	59,082	1/4	74,261	1/4	89,440	1/4	104,619	1/4	119,794	1/4	134,967	1/4	150,140
1/2	14,550	1/2	29,728	1/2	44,592	1/2	59,398	1/2	74,577	1/2	89,756	1/2	104,935	1/2	120,110	1/2	135,283	1/2	150,457
3/4	14,866	3/4	30,044	3/4	44,894	3/4	59,714	3/4	74,893	3/4	90,072	3/4	105,251	3/4	120,426	3/4	135,599	3/4	150,773

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,089	0	166,262	0	181,436	0	196,609	0	211,718	0		0		0		0		0	
1/4	151,405	1/4	166,578	1/4	181,752	1/4	196,925	1/4	212,030	1/4		1/4		1/4		1/4		1/4	
1/2	151,721	1/2	166,894	1/2	182,068	1/2	197,241	1/2	212,342	1/2		1/2		1/2		1/2		1/2	
3/4	152,037	3/4	167,210	3/4	182,384	3/4	197,557	3/4	212,654	3/4		3/4		3/4		3/4		3/4	
1	152,353	1	167,527	1	182,700	1	197,873	1	212,966	1		1		1		1		1	
1/4	152,669	1/4	167,843	1/4	183,016	1/4	198,188	1/4	213,278	1/4		1/4		1/4		1/4		1/4	
1/2	152,985	1/2	168,159	1/2	183,332	1/2	198,503	1/2	213,590	1/2		1/2		1/2		1/2		1/2	
3/4	153,302	3/4	168,475	3/4	183,648	3/4	198,818	3/4	213,902	3/4		3/4		3/4		3/4		3/4	
2	153,618	2	168,791	2	183,964	2	199,133	2	214,214	2		2		2		2		2	
1/4	153,934	1/4	169,107	1/4	184,281	1/4	199,448	1/4	214,526	1/4		1/4		1/4		1/4		1/4	
1/2	154,250	1/2	169,423	1/2	184,597	1/2	199,763	1/2	214,837	1/2		1/2		1/2		1/2		1/2	
3/4	154,566	3/4	169,739	3/4	184,913	3/4	200,078	3/4	215,149	3/4		3/4		3/4		3/4		3/4	
3	154,882	3	170,056	3	185,229	3	200,392	3	215,461	3		3		3		3		3	
1/4	155,198	1/4	170,372	1/4	185,545	1/4	200,707	1/4	215,773	1/4		1/4		1/4		1/4		1/4	
1/2	155,514	1/2	170,688	1/2	185,861	1/2	201,022	1/2	216,084	1/2		1/2		1/2		1/2		1/2	
3/4	155,830	3/4	171,004	3/4	186,177	3/4	201,337	3/4	216,396	3/4		3/4		3/4		3/4		3/4	
4	156,147	4	171,320	4	186,493	4	201,652	4	216,708	4		4		4		4		4	
1/4	156,463	1/4	171,636	1/4	186,809	1/4	201,967	1/4	217,018	1/4		1/4		1/4		1/4		1/4	
1/2	156,779	1/2	171,952	1/2	187,126	1/2	202,282	1/2	217,329	1/2		1/2		1/2		1/2		1/2	
3/4	157,095	3/4	172,268	3/4	187,442	3/4	202,597	3/4	217,639	3/4		3/4		3/4		3/4		3/4	
5	157,411	5	172,584	5	187,758	5	202,912	5	217,950	5		5		5		5		5	
1/4	157,727	1/4	172,901	1/4	188,074	1/4	203,226	1/4	218,235	1/4		1/4		1/4		1/4		1/4	
1/2	158,043	1/2	173,217	1/2	188,390	1/2	203,541	1/2	218,521	1/2		1/2		1/2		1/2		1/2	
3/4	158,359	3/4	173,533	3/4	188,706	3/4	203,856	3/4	218,806	3/4		3/4		3/4		3/4		3/4	
6	158,675	6	173,849	6	189,022	6	204,171	6	219,092	6		6		6		6		6	
1/4	158,992	1/4	174,165	1/4	189,338	1/4	204,486	1/4	219,325	1/4		1/4		1/4		1/4		1/4	
1/2	159,308	1/2	174,481	1/2	189,654	1/2	204,801	1/2	219,558	1/2		1/2		1/2		1/2		1/2	
3/4	159,624	3/4	174,797	3/4	189,971	3/4	205,116	3/4	219,790	3/4		3/4		3/4		3/4		3/4	
7	159,940	7	175,113	7	190,287	7	205,431	7	220,023	7		7		7		7		7	
1/4	160,256	1/4	175,429	1/4	190,603	1/4	205,746	1/4	220,205	1/4		1/4		1/4		1/4		1/4	
1/2	160,572	1/2	175,746	1/2	190,919	1/2	206,061	1/2	220,386	1/2		1/2		1/2		1/2		1/2	
3/4	160,888	3/4	176,062	3/4	191,235	3/4	206,375	3/4	220,568	3/4		3/4		3/4		3/4		3/4	
8	161,204	8	176,378	8	191,551	8	206,690	8	220,749	8		8		8		8		8	
1/4	161,520	1/4	176,694	1/4	191,867	1/4	207,005	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,837	1/2	177,010	1/2	192,183	1/2	207,320	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,153	3/4	177,326	3/4	192,499	3/4	207,635	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,469	9	177,642	9	192,816	9	207,950	9		9		9		9		9		9	
1/4	162,785	1/4	177,958	1/4	193,132	1/4	208,265	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,101	1/2	178,274	1/2	193,448	1/2	208,580	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,417	3/4	178,591	3/4	193,764	3/4	208,895	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,733	10	178,907	10	194,080	10	209,210	10		10		10		10		10		10	
1/4	164,049	1/4	179,223	1/4	194,396	1/4	209,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,365	1/2	179,539	1/2	194,712	1/2	209,840	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,682	3/4	179,855	3/4	195,028	3/4	210,155	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,998	11	180,171	11	195,344	11	210,470	11		11		11		11		11		11	
1/4	165,314	1/4	180,487	1/4	195,661	1/4	210,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,630	1/2	180,803	1/2	195,977	1/2	211,094	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,946	3/4	181,119	3/4	196,293	3/4	211,406	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 381"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	958	0	15,123	0	30,241	0	45,351	0	60,463	0	75,582	0	90,700	0	105,815	0	120,923	0	135,992
1/4	1,141	1/4	15,438	1/4	30,556	1/4	45,665	1/4	60,778	1/4	75,897	1/4	91,015	1/4	106,130	1/4	121,237	1/4	136,305
1/2	1,325	1/2	15,753	1/2	30,871	1/2	45,980	1/2	61,093	1/2	76,212	1/2	91,330	1/2	106,445	1/2	121,551	1/2	136,618
3/4	1,509	3/4	16,067	3/4	31,186	3/4	46,295	3/4	61,408	3/4	76,527	3/4	91,645	3/4	106,760	3/4	121,866	3/4	136,931
1	1,692	1	16,382	1	31,501	1	46,609	1	61,723	1	76,842	1	91,960	1	107,075	1	122,180	1	137,244
1/4	1,928	1/4	16,697	1/4	31,816	1/4	46,924	1/4	62,038	1/4	77,157	1/4	92,275	1/4	107,390	1/4	122,494	1/4	137,557
1/2	2,165	1/2	17,012	1/2	32,131	1/2	47,238	1/2	62,353	1/2	77,472	1/2	92,589	1/2	107,705	1/2	122,809	1/2	137,870
3/4	2,401	3/4	17,327	3/4	32,446	3/4	47,553	3/4	62,668	3/4	77,787	3/4	92,904	3/4	108,020	3/4	123,123	3/4	138,182
2	2,637	2	17,642	2	32,761	2	47,867	2	62,983	2	78,102	2	93,219	2	108,335	2	123,437	2	138,495
1/4	2,926	1/4	17,957	1/4	33,076	1/4	48,182	1/4	63,298	1/4	78,417	1/4	93,534	1/4	108,650	1/4	123,751	1/4	138,808
1/2	3,214	1/2	18,272	1/2	33,391	1/2	48,497	1/2	63,613	1/2	78,732	1/2	93,849	1/2	108,965	1/2	124,066	1/2	139,121
3/4	3,503	3/4	18,587	3/4	33,706	3/4	48,811	3/4	63,928	3/4	79,047	3/4	94,164	3/4	109,279	3/4	124,380	3/4	139,434
3	3,792	3	18,902	3	34,021	3	49,126	3	64,243	3	79,362	3	94,479	3	109,594	3	124,694	3	139,747
1/4	4,105	1/4	19,217	1/4	34,336	1/4	49,440	1/4	64,558	1/4	79,677	1/4	94,794	1/4	109,909	1/4	125,009	1/4	140,060
1/2	4,419	1/2	19,532	1/2	34,651	1/2	49,755	1/2	64,873	1/2	79,992	1/2	95,109	1/2	110,224	1/2	125,323	1/2	140,374
3/4	4,732	3/4	19,847	3/4	34,966	3/4	50,070	3/4	65,188	3/4	80,307	3/4	95,424	3/4	110,539	3/4	125,637	3/4	140,687
4	5,046	4	20,162	4	35,281	4	50,384	4	65,503	4	80,622	4	95,738	4	110,854	4	125,952	4	141,001
1/4	5,360	1/4	20,477	1/4	35,596	1/4	50,699	1/4	65,818	1/4	80,937	1/4	96,053	1/4	111,169	1/4	126,266	1/4	141,314
1/2	5,675	1/2	20,792	1/2	35,911	1/2	51,014	1/2	66,133	1/2	81,252	1/2	96,368	1/2	111,483	1/2	126,580	1/2	141,628
3/4	5,989	3/4	21,107	3/4	36,225	3/4	51,329	3/4	66,448	3/4	81,567	3/4	96,683	3/4	111,798	3/4	126,895	3/4	141,942
5	6,304	5	21,422	5	36,540	5	51,644	5	66,763	5	81,882	5	96,998	5	112,113	5	127,209	5	142,255
1/4	6,619	1/4	21,737	1/4	36,855	1/4	51,959	1/4	67,078	1/4	82,197	1/4	97,313	1/4	112,428	1/4	127,523	1/4	142,569
1/2	6,934	1/2	22,052	1/2	37,170	1/2	52,274	1/2	67,393	1/2	82,512	1/2	97,628	1/2	112,743	1/2	127,838	1/2	142,882
3/4	7,248	3/4	22,367	3/4	37,485	3/4	52,588	3/4	67,708	3/4	82,827	3/4	97,943	3/4	113,058	3/4	128,152	3/4	143,196
6	7,563	6	22,682	6	37,800	6	52,903	6	68,023	6	83,142	6	98,258	6	113,372	6	128,466	6	143,509
1/4	7,878	1/4	22,997	1/4	38,115	1/4	53,218	1/4	68,338	1/4	83,457	1/4	98,573	1/4	113,687	1/4	128,780	1/4	143,823
1/2	8,193	1/2	23,312	1/2	38,430	1/2	53,533	1/2	68,653	1/2	83,772	1/2	98,888	1/2	114,002	1/2	129,095	1/2	144,136
3/4	8,508	3/4	23,627	3/4	38,744	3/4	53,848	3/4	68,968	3/4	84,087	3/4	99,202	3/4	114,317	3/4	129,409	3/4	144,450
7	8,823	7	23,942	7	39,059	7	54,163	7	69,282	7	84,402	7	99,517	7	114,632	7	129,723	7	144,763
1/4	9,138	1/4	24,257	1/4	39,374	1/4	54,478	1/4	69,597	1/4	84,717	1/4	99,832	1/4	114,947	1/4	130,038	1/4	145,077
1/2	9,453	1/2	24,572	1/2	39,688	1/2	54,793	1/2	69,912	1/2	85,032	1/2	100,147	1/2	115,262	1/2	130,352	1/2	145,390
3/4	9,768	3/4	24,887	3/4	40,003	3/4	55,108	3/4	70,227	3/4	85,347	3/4	100,462	3/4	115,576	3/4	130,666	3/4	145,704
8	10,083	8	25,202	8	40,317	8	55,423	8	70,542	8	85,662	8	100,777	8	115,891	8	130,981	8	146,017
1/4	10,398	1/4	25,517	1/4	40,632	1/4	55,738	1/4	70,857	1/4	85,976	1/4	101,092	1/4	116,206	1/4	131,295	1/4	146,331
1/2	10,713	1/2	25,832	1/2	40,947	1/2	56,053	1/2	71,172	1/2	86,291	1/2	101,407	1/2	116,521	1/2	131,609	1/2	146,644
3/4	11,028	3/4	26,146	3/4	41,261	3/4	56,368	3/4	71,487	3/4	86,606	3/4	101,722	3/4	116,836	3/4	131,924	3/4	146,958
9	11,343	9	26,461	9	41,576	9	56,683	9	71,802	9	86,921	9	102,037	9	117,151	9	132,238	9	147,271
1/4	11,658	1/4	26,776	1/4	41,890	1/4	56,998	1/4	72,117	1/4	87,236	1/4	102,351	1/4	117,465	1/4	132,551	1/4	147,441
1/2	11,973	1/2	27,091	1/2	42,205	1/2	57,313	1/2	72,432	1/2	87,551	1/2	102,666	1/2	117,780	1/2	132,864	1/2	147,610
3/4	12,288	3/4	27,406	3/4	42,520	3/4	57,628	3/4	72,747	3/4	87,866	3/4	102,981	3/4	118,094	3/4	133,176	3/4	147,780
10	12,603	10	27,721	10	42,834	10	57,943	10	73,062	10	88,181	10	103,296	10	118,408	10	133,489	10	147,949
1/4	12,918	1/4	28,036	1/4	43,149	1/4	58,258	1/4	73,377	1/4	88,496	1/4	103,611	1/4	118,722	1/4	133,802	1/4	148,118
1/2	13,233	1/2	28,351	1/2	43,463	1/2	58,573	1/2	73,692	1/2	88,811	1/2	103,926	1/2	119,037	1/2	134,115	1/2	148,288
3/4	13,548	3/4	28,666	3/4	43,778	3/4	58,888	3/4	74,007	3/4	89,125	3/4	104,241	3/4	119,351	3/4	134,428	3/4	148,457
11	13,863	11	28,981	11	44,092	11	59,203	11	74,322	11	89,440	11	104,556	11	119,665	11	134,741	11	148,627
1/4	14,178	1/4	29,296	1/4	44,407	1/4	59,518	1/4	74,637	1/4	89,755	1/4	104,871	1/4	119,980	1/4	135,054	1/4	148,796
1/2	14,493	1/2	29,611	1/2	44,722	1/2	59,833	1/2	74,952	1/2	90,070	1/2	105,186	1/2	120,294	1/2	135,367	1/2	148,965
3/4	14,808	3/4	29,926	3/4	45,036	3/4	60,148	3/4	75,267	3/4	90,385	3/4	105,501	3/4	120,608	3/4	135,679	3/4	149,135

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,304	0	157,434	0	165,565	0	173,695	0	181,792	0		0		0		0		0	
1/4	149,473	1/4	157,604	1/4	165,734	1/4	173,864	1/4	181,959	1/4		1/4		1/4		1/4		1/4	
1/2	149,643	1/2	157,773	1/2	165,903	1/2	174,034	1/2	182,126	1/2		1/2		1/2		1/2		1/2	
3/4	149,812	3/4	157,942	3/4	166,073	3/4	174,203	3/4	182,293	3/4		3/4		3/4		3/4		3/4	
1	149,982	1	158,112	1	166,242	1	174,372	1	182,460	1		1		1		1		1	
1/4	150,151	1/4	158,281	1/4	166,412	1/4	174,541	1/4	182,628	1/4		1/4		1/4		1/4		1/4	
1/2	150,320	1/2	158,451	1/2	166,581	1/2	174,710	1/2	182,795	1/2		1/2		1/2		1/2		1/2	
3/4	150,490	3/4	158,620	3/4	166,750	3/4	174,879	3/4	182,962	3/4		3/4		3/4		3/4		3/4	
2	150,659	2	158,789	2	166,920	2	175,048	2	183,129	2		2		2		2		2	
1/4	150,828	1/4	158,959	1/4	167,089	1/4	175,216	1/4	183,296	1/4		1/4		1/4		1/4		1/4	
1/2	150,998	1/2	159,128	1/2	167,258	1/2	175,385	1/2	183,463	1/2		1/2		1/2		1/2		1/2	
3/4	151,167	3/4	159,298	3/4	167,428	3/4	175,554	3/4	183,630	3/4		3/4		3/4		3/4		3/4	
3	151,337	3	159,467	3	167,597	3	175,723	3	183,797	3		3		3		3		3	
1/4	151,506	1/4	159,636	1/4	167,767	1/4	175,891	1/4	183,964	1/4		1/4		1/4		1/4		1/4	
1/2	151,675	1/2	159,806	1/2	167,936	1/2	176,060	1/2	184,131	1/2		1/2		1/2		1/2		1/2	
3/4	151,845	3/4	159,975	3/4	168,105	3/4	176,229	3/4	184,298	3/4		3/4		3/4		3/4		3/4	
4	152,014	4	160,144	4	168,275	4	176,398	4	184,464	4		4		4		4		4	
1/4	152,184	1/4	160,314	1/4	168,444	1/4	176,566	1/4	184,630	1/4		1/4		1/4		1/4		1/4	
1/2	152,353	1/2	160,483	1/2	168,613	1/2	176,735	1/2	184,796	1/2		1/2		1/2		1/2		1/2	
3/4	152,522	3/4	160,653	3/4	168,783	3/4	176,904	3/4	184,961	3/4		3/4		3/4		3/4		3/4	
5	152,692	5	160,822	5	168,952	5	177,073	5	185,127	5		5		5		5		5	
1/4	152,861	1/4	160,991	1/4	169,122	1/4	177,242	1/4	185,268	1/4		1/4		1/4		1/4		1/4	
1/2	153,030	1/2	161,161	1/2	169,291	1/2	177,410	1/2	185,409	1/2		1/2		1/2		1/2		1/2	
3/4	153,200	3/4	161,330	3/4	169,460	3/4	177,579	3/4	185,550	3/4		3/4		3/4		3/4		3/4	
6	153,369	6	161,499	6	169,630	6	177,748	6	185,690	6		6		6		6		6	
1/4	153,539	1/4	161,669	1/4	169,799	1/4	177,917	1/4	185,779	1/4		1/4		1/4		1/4		1/4	
1/2	153,708	1/2	161,838	1/2	169,969	1/2	178,085	1/2	185,867	1/2		1/2		1/2		1/2		1/2	
3/4	153,877	3/4	162,008	3/4	170,138	3/4	178,254	3/4	185,956	3/4		3/4		3/4		3/4		3/4	
7	154,047	7	162,177	7	170,307	7	178,423	7	186,044	7		7		7		7		7	
1/4	154,216	1/4	162,346	1/4	170,477	1/4	178,592	1/4	186,081	1/4		1/4		1/4		1/4		1/4	
1/2	154,385	1/2	162,516	1/2	170,646	1/2	178,760	1/2	186,117	1/2		1/2		1/2		1/2		1/2	
3/4	154,555	3/4	162,685	3/4	170,815	3/4	178,929	3/4	186,154	3/4		3/4		3/4		3/4		3/4	
8	154,724	8	162,855	8	170,985	8	179,098	8	186,190	8		8		8		8		8	
1/4	154,894	1/4	163,024	1/4	171,154	1/4	179,267	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,063	1/2	163,193	1/2	171,324	1/2	179,436	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,232	3/4	163,363	3/4	171,493	3/4	179,604	3/4		3/4		3/4		3/4		3/4		3/4	
9	155,402	9	163,532	9	171,662	9	179,773	9		9		9		9		9		9	
1/4	155,571	1/4	163,701	1/4	171,832	1/4	179,942	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,741	1/2	163,871	1/2	172,001	1/2	180,111	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,910	3/4	164,040	3/4	172,170	3/4	180,279	3/4		3/4		3/4		3/4		3/4		3/4	
10	156,079	10	164,210	10	172,340	10	180,448	10		10		10		10		10		10	
1/4	156,249	1/4	164,379	1/4	172,509	1/4	180,617	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,418	1/2	164,548	1/2	172,679	1/2	180,786	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,587	3/4	164,718	3/4	172,848	3/4	180,954	3/4		3/4		3/4		3/4		3/4		3/4	
11	156,757	11	164,887	11	173,017	11	181,123	11		11		11		11		11		11	
1/4	156,926	1/4	165,056	1/4	173,187	1/4	181,290	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,096	1/2	165,226	1/2	173,356	1/2	181,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,265	3/4	165,395	3/4	173,526	3/4	181,625	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 381"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	957	0	15,099	0	30,192	0	44,793	0	59,615	0	74,683	0	89,771	0	104,856	0	119,933	0	134,966
1/4	1,141	1/4	15,413	1/4	30,506	1/4	45,093	1/4	59,927	1/4	74,997	1/4	90,085	1/4	105,171	1/4	120,247	1/4	135,278
1/2	1,325	1/2	15,728	1/2	30,821	1/2	45,393	1/2	60,238	1/2	75,312	1/2	90,400	1/2	105,485	1/2	120,561	1/2	135,590
3/4	1,508	3/4	16,042	3/4	31,135	3/4	45,693	3/4	60,550	3/4	75,626	3/4	90,714	3/4	105,799	3/4	120,875	3/4	135,902
1	1,692	1	16,356	1	31,450	1	45,994	1	60,862	1	75,941	1	91,028	1	106,113	1	121,188	1	136,215
1/4	1,928	1/4	16,671	1/4	31,764	1/4	46,294	1/4	61,174	1/4	76,255	1/4	91,342	1/4	106,428	1/4	121,502	1/4	136,527
1/2	2,164	1/2	16,985	1/2	32,079	1/2	46,594	1/2	61,485	1/2	76,569	1/2	91,657	1/2	106,742	1/2	121,815	1/2	136,839
3/4	2,399	3/4	17,300	3/4	32,393	3/4	46,894	3/4	61,797	3/4	76,884	3/4	91,971	3/4	107,056	3/4	122,128	3/4	137,151
2	2,635	2	17,614	2	32,707	2	47,195	2	62,109	2	77,198	2	92,285	2	107,371	2	122,442	2	137,463
1/4	2,923	1/4	17,929	1/4	33,022	1/4	47,495	1/4	62,423	1/4	77,512	1/4	92,599	1/4	107,685	1/4	122,755	1/4	137,776
1/2	3,210	1/2	18,243	1/2	33,336	1/2	47,795	1/2	62,738	1/2	77,827	1/2	92,914	1/2	107,999	1/2	123,068	1/2	138,088
3/4	3,498	3/4	18,558	3/4	33,651	3/4	48,096	3/4	63,052	3/4	78,141	3/4	93,228	3/4	108,313	3/4	123,382	3/4	138,400
3	3,786	3	18,872	3	33,965	3	48,396	3	63,366	3	78,455	3	93,542	3	108,628	3	123,695	3	138,712
1/4	4,099	1/4	19,186	1/4	34,268	1/4	48,708	1/4	63,681	1/4	78,770	1/4	93,857	1/4	108,942	1/4	124,009	1/4	139,025
1/2	4,412	1/2	19,501	1/2	34,570	1/2	49,020	1/2	63,995	1/2	79,084	1/2	94,171	1/2	109,256	1/2	124,322	1/2	139,338
3/4	4,725	3/4	19,815	3/4	34,873	3/4	49,332	3/4	64,309	3/4	79,398	3/4	94,485	3/4	109,570	3/4	124,635	3/4	139,651
4	5,038	4	20,130	4	35,175	4	49,645	4	64,624	4	79,713	4	94,799	4	109,885	4	124,949	4	139,964
1/4	5,352	1/4	20,444	1/4	35,477	1/4	49,955	1/4	64,938	1/4	80,027	1/4	95,114	1/4	110,199	1/4	125,262	1/4	140,277
1/2	5,666	1/2	20,759	1/2	35,778	1/2	50,266	1/2	65,252	1/2	80,342	1/2	95,428	1/2	110,513	1/2	125,575	1/2	140,590
3/4	5,980	3/4	21,073	3/4	36,079	3/4	50,577	3/4	65,567	3/4	80,656	3/4	95,742	3/4	110,827	3/4	125,889	3/4	140,903
5	6,295	5	21,388	5	36,381	5	50,888	5	65,881	5	80,970	5	96,057	5	111,141	5	126,202	5	141,216
1/4	6,609	1/4	21,702	1/4	36,682	1/4	51,199	1/4	66,196	1/4	81,285	1/4	96,371	1/4	111,456	1/4	126,515	1/4	141,529
1/2	6,923	1/2	22,016	1/2	36,983	1/2	51,510	1/2	66,510	1/2	81,599	1/2	96,685	1/2	111,770	1/2	126,829	1/2	141,841
3/4	7,238	3/4	22,331	3/4	37,285	3/4	51,822	3/4	66,824	3/4	81,913	3/4	96,999	3/4	112,084	3/4	127,142	3/4	142,154
6	7,552	6	22,645	6	37,586	6	52,133	6	67,139	6	82,228	6	97,314	6	112,398	6	127,456	6	142,467
1/4	7,867	1/4	22,960	1/4	37,886	1/4	52,444	1/4	67,453	1/4	82,542	1/4	97,628	1/4	112,713	1/4	127,769	1/4	142,780
1/2	8,181	1/2	23,274	1/2	38,187	1/2	52,756	1/2	67,767	1/2	82,856	1/2	97,942	1/2	113,027	1/2	128,082	1/2	143,093
3/4	8,495	3/4	23,589	3/4	38,487	3/4	53,068	3/4	68,082	3/4	83,171	3/4	98,256	3/4	113,341	3/4	128,396	3/4	143,406
7	8,810	7	23,903	7	38,787	7	53,380	7	68,396	7	83,485	7	98,571	7	113,655	7	128,709	7	143,719
1/4	9,124	1/4	24,217	1/4	39,088	1/4	53,691	1/4	68,710	1/4	83,799	1/4	98,885	1/4	113,969	1/4	129,023	1/4	144,032
1/2	9,439	1/2	24,532	1/2	39,388	1/2	54,003	1/2	69,025	1/2	84,114	1/2	99,199	1/2	114,284	1/2	129,336	1/2	144,345
3/4	9,753	3/4	24,846	3/4	39,688	3/4	54,315	3/4	69,339	3/4	84,428	3/4	99,514	3/4	114,598	3/4	129,650	3/4	144,658
8	10,068	8	25,161	8	39,988	8	54,627	8	69,653	8	84,742	8	99,828	8	114,912	8	129,964	8	144,971
1/4	10,382	1/4	25,475	1/4	40,289	1/4	54,938	1/4	69,968	1/4	85,057	1/4	100,142	1/4	115,226	1/4	130,277	1/4	145,283
1/2	10,697	1/2	25,790	1/2	40,589	1/2	55,250	1/2	70,282	1/2	85,371	1/2	100,456	1/2	115,541	1/2	130,591	1/2	145,596
3/4	11,011	3/4	26,104	3/4	40,889	3/4	55,562	3/4	70,597	3/4	85,685	3/4	100,771	3/4	115,855	3/4	130,905	3/4	145,909
9	11,325	9	26,419	9	41,190	9	55,874	9	70,911	9	86,000	9	101,085	9	116,169	9	131,219	9	146,222
1/4	11,640	1/4	26,733	1/4	41,490	1/4	56,185	1/4	71,225	1/4	86,314	1/4	101,399	1/4	116,483	1/4	131,531	1/4	146,391
1/2	11,954	1/2	27,047	1/2	41,790	1/2	56,497	1/2	71,540	1/2	86,628	1/2	101,714	1/2	116,797	1/2	131,843	1/2	146,560
3/4	12,269	3/4	27,362	3/4	42,090	3/4	56,809	3/4	71,854	3/4	86,942	3/4	102,028	3/4	117,110	3/4	132,155	3/4	146,728
10	12,583	10	27,676	10	42,391	10	57,121	10	72,168	10	87,257	10	102,342	10	117,424	10	132,468	10	146,897
1/4	12,898	1/4	27,991	1/4	42,691	1/4	57,433	1/4	72,483	1/4	87,571	1/4	102,656	1/4	117,738	1/4	132,780	1/4	147,066
1/2	13,212	1/2	28,305	1/2	42,991	1/2	57,744	1/2	72,797	1/2	87,885	1/2	102,971	1/2	118,051	1/2	133,092	1/2	147,235
3/4	13,526	3/4	28,620	3/4	43,291	3/4	58,056	3/4	73,111	3/4	88,200	3/4	103,285	3/4	118,365	3/4	133,404	3/4	147,404
11	13,841	11	28,934	11	43,592	11	58,368	11	73,426	11	88,514	11	103,599	11	118,679	11	133,717	11	147,572
1/4	14,155	1/4	29,249	1/4	43,892	1/4	58,680	1/4	73,740	1/4	88,828	1/4	103,914	1/4	118,992	1/4	134,029	1/4	147,741
1/2	14,470	1/2	29,563	1/2	44,192	1/2	58,991	1/2	74,054	1/2	89,142	1/2	104,228	1/2	119,306	1/2	134,341	1/2	147,910
3/4	14,784	3/4	29,877	3/4	44,492	3/4	59,303	3/4	74,369	3/4	89,457	3/4	104,542	3/4	119,620	3/4	134,653	3/4	148,079

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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BARGE "CBC 381"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,247	0	156,348	0	164,450	0	172,551	0	180,618	0		0		0		0		0	
1/4	148,416	1/4	156,517	1/4	164,618	1/4	172,719	1/4	180,785	1/4		1/4		1/4		1/4		1/4	
1/2	148,585	1/2	156,686	1/2	164,787	1/2	172,888	1/2	180,951	1/2		1/2		1/2		1/2		1/2	
3/4	148,754	3/4	156,855	3/4	164,956	3/4	173,057	3/4	181,118	3/4		3/4		3/4		3/4		3/4	
1	148,922	1	157,024	1	165,125	1	173,226	1	181,284	1		1		1		1		1	
1/4	149,091	1/4	157,192	1/4	165,293	1/4	173,394	1/4	181,451	1/4		1/4		1/4		1/4		1/4	
1/2	149,260	1/2	157,361	1/2	165,462	1/2	173,562	1/2	181,618	1/2		1/2		1/2		1/2		1/2	
3/4	149,429	3/4	157,530	3/4	165,631	3/4	173,730	3/4	181,784	3/4		3/4		3/4		3/4		3/4	
2	149,598	2	157,699	2	165,800	2	173,898	2	181,951	2		2		2		2		2	
1/4	149,766	1/4	157,867	1/4	165,968	1/4	174,066	1/4	182,117	1/4		1/4		1/4		1/4		1/4	
1/2	149,935	1/2	158,036	1/2	166,137	1/2	174,235	1/2	182,284	1/2		1/2		1/2		1/2		1/2	
3/4	150,104	3/4	158,205	3/4	166,306	3/4	174,403	3/4	182,450	3/4		3/4		3/4		3/4		3/4	
3	150,273	3	158,374	3	166,475	3	174,571	3	182,617	3		3		3		3		3	
1/4	150,441	1/4	158,542	1/4	166,644	1/4	174,739	1/4	182,783	1/4		1/4		1/4		1/4		1/4	
1/2	150,610	1/2	158,711	1/2	166,812	1/2	174,907	1/2	182,949	1/2		1/2		1/2		1/2		1/2	
3/4	150,779	3/4	158,880	3/4	166,981	3/4	175,075	3/4	183,115	3/4		3/4		3/4		3/4		3/4	
4	150,948	4	159,049	4	167,150	4	175,244	4	183,281	4		4		4		4		4	
1/4	151,117	1/4	159,218	1/4	167,319	1/4	175,412	1/4	183,446	1/4		1/4		1/4		1/4		1/4	
1/2	151,285	1/2	159,386	1/2	167,487	1/2	175,580	1/2	183,611	1/2		1/2		1/2		1/2		1/2	
3/4	151,454	3/4	159,555	3/4	167,656	3/4	175,748	3/4	183,776	3/4		3/4		3/4		3/4		3/4	
5	151,623	5	159,724	5	167,825	5	175,916	5	183,941	5		5		5		5		5	
1/4	151,792	1/4	159,893	1/4	167,994	1/4	176,084	1/4	184,082	1/4		1/4		1/4		1/4		1/4	
1/2	151,960	1/2	160,061	1/2	168,162	1/2	176,253	1/2	184,222	1/2		1/2		1/2		1/2		1/2	
3/4	152,129	3/4	160,230	3/4	168,331	3/4	176,421	3/4	184,362	3/4		3/4		3/4		3/4		3/4	
6	152,298	6	160,399	6	168,500	6	176,589	6	184,502	6		6		6		6		6	
1/4	152,467	1/4	160,568	1/4	168,669	1/4	176,757	1/4	184,590	1/4		1/4		1/4		1/4		1/4	
1/2	152,635	1/2	160,737	1/2	168,838	1/2	176,925	1/2	184,678	1/2		1/2		1/2		1/2		1/2	
3/4	152,804	3/4	160,905	3/4	169,006	3/4	177,093	3/4	184,766	3/4		3/4		3/4		3/4		3/4	
7	152,973	7	161,074	7	169,175	7	177,262	7	184,854	7		7		7		7		7	
1/4	153,142	1/4	161,243	1/4	169,344	1/4	177,430	1/4	184,890	1/4		1/4		1/4		1/4		1/4	
1/2	153,311	1/2	161,412	1/2	169,513	1/2	177,598	1/2	184,926	1/2		1/2		1/2		1/2		1/2	
3/4	153,479	3/4	161,580	3/4	169,681	3/4	177,766	3/4	184,961	3/4		3/4		3/4		3/4		3/4	
8	153,648	8	161,749	8	169,850	8	177,934	8	184,997	8		8		8		8		8	
1/4	153,817	1/4	161,918	1/4	170,019	1/4	178,102	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,986	1/2	162,087	1/2	170,188	1/2	178,270	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,154	3/4	162,255	3/4	170,357	3/4	178,439	3/4		3/4		3/4		3/4		3/4		3/4	
9	154,323	9	162,424	9	170,525	9	178,607	9		9		9		9		9		9	
1/4	154,492	1/4	162,593	1/4	170,694	1/4	178,775	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,661	1/2	162,762	1/2	170,863	1/2	178,943	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,829	3/4	162,931	3/4	171,032	3/4	179,111	3/4		3/4		3/4		3/4		3/4		3/4	
10	154,998	10	163,099	10	171,200	10	179,279	10		10		10		10		10		10	
1/4	155,167	1/4	163,268	1/4	171,369	1/4	179,448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,336	1/2	163,437	1/2	171,538	1/2	179,616	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,505	3/4	163,606	3/4	171,707	3/4	179,784	3/4		3/4		3/4		3/4		3/4		3/4	
11	155,673	11	163,774	11	171,875	11	179,952	11		11		11		11		11		11	
1/4	155,842	1/4	163,943	1/4	172,044	1/4	180,119	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,011	1/2	164,112	1/2	172,213	1/2	180,285	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,180	3/4	164,281	3/4	172,382	3/4	180,452	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
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BARGE "CBC 381"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNGAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNGAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

March 23, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588

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BARGE "CBC 381"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	209,420	0	194,228	0	178,996	0	163,764	0	148,532	0	133,301	0	118,069	0	102,834
1/4		1/4		1/4	209,104	1/4	193,910	1/4	178,679	1/4	163,447	1/4	148,215	1/4	132,983	1/4	117,751	1/4	102,517
1/2		1/2		1/2	208,788	1/2	193,593	1/2	178,361	1/2	163,129	1/2	147,898	1/2	132,666	1/2	117,434	1/2	102,199
3/4		3/4		3/4	208,472	3/4	193,276	3/4	178,044	3/4	162,812	3/4	147,580	3/4	132,349	3/4	117,117	3/4	101,882
1		1	222,269	1	208,156	1	192,958	1	177,727	1	162,495	1	147,263	1	132,031	1	116,799	1	101,564
1/4		1/4	222,087	1/4	207,840	1/4	192,641	1/4	177,409	1/4	162,177	1/4	146,946	1/4	131,714	1/4	116,482	1/4	101,247
1/2		1/2	221,905	1/2	207,524	1/2	192,324	1/2	177,092	1/2	161,860	1/2	146,628	1/2	131,397	1/2	116,165	1/2	100,929
3/4		3/4	221,723	3/4	207,208	3/4	192,006	3/4	176,775	3/4	161,543	3/4	146,311	3/4	131,079	3/4	115,847	3/4	100,612
2		2	221,541	2	206,892	2	191,689	2	176,457	2	161,225	2	145,994	2	130,762	2	115,530	2	100,295
1/4		1/4	221,307	1/4	206,575	1/4	191,372	1/4	176,140	1/4	160,908	1/4	145,676	1/4	130,445	1/4	115,213	1/4	99,977
1/2		1/2	221,073	1/2	206,259	1/2	191,054	1/2	175,823	1/2	160,591	1/2	145,359	1/2	130,127	1/2	114,895	1/2	99,660
3/4		3/4	220,839	3/4	205,943	3/4	190,737	3/4	175,505	3/4	160,274	3/4	145,042	3/4	129,810	3/4	114,578	3/4	99,342
3		3	220,605	3	205,627	3	190,420	3	175,188	3	159,956	3	144,724	3	129,493	3	114,261	3	99,025
1/4		1/4	220,319	1/4	205,311	1/4	190,102	1/4	174,871	1/4	159,639	1/4	144,407	1/4	129,175	1/4	113,943	1/4	98,707
1/2		1/2	220,032	1/2	204,995	1/2	189,785	1/2	174,553	1/2	159,322	1/2	144,090	1/2	128,858	1/2	113,626	1/2	98,390
3/4		3/4	219,745	3/4	204,679	3/4	189,468	3/4	174,236	3/4	159,004	3/4	143,772	3/4	128,541	3/4	113,309	3/4	98,072
4		4	219,459	4	204,363	4	189,150	4	173,919	4	158,687	4	143,455	4	128,223	4	112,991	4	97,755
1/4		1/4	219,147	1/4	204,047	1/4	188,833	1/4	173,601	1/4	158,370	1/4	143,138	1/4	127,906	1/4	112,674	1/4	97,438
1/2		1/2	218,835	1/2	203,730	1/2	188,516	1/2	173,284	1/2	158,052	1/2	142,820	1/2	127,589	1/2	112,357	1/2	97,120
3/4		3/4	218,524	3/4	203,414	3/4	188,198	3/4	172,967	3/4	157,735	3/4	142,503	3/4	127,271	3/4	112,039	3/4	96,803
5		5	218,212	5	203,098	5	187,881	5	172,649	5	157,418	5	142,186	5	126,954	5	111,722	5	96,485
1/4		1/4	217,899	1/4	202,782	1/4	187,564	1/4	172,332	1/4	157,100	1/4	141,868	1/4	126,637	1/4	111,405	1/4	96,168
1/2		1/2	217,586	1/2	202,466	1/2	187,246	1/2	172,015	1/2	156,783	1/2	141,551	1/2	126,319	1/2	111,088	1/2	95,850
3/4		3/4	217,274	3/4	202,150	3/4	186,929	3/4	171,697	3/4	156,466	3/4	141,234	3/4	126,002	3/4	110,770	3/4	95,533
6		6	216,961	6	201,834	6	186,612	6	171,380	6	156,148	6	140,916	6	125,685	6	110,453	6	95,215
1/4		1/4	216,648	1/4	201,518	1/4	186,294	1/4	171,063	1/4	155,831	1/4	140,599	1/4	125,367	1/4	110,135	1/4	94,898
1/2		1/2	216,335	1/2	201,202	1/2	185,977	1/2	170,745	1/2	155,514	1/2	140,282	1/2	125,050	1/2	109,818	1/2	94,581
3/4		3/4	216,021	3/4	200,885	3/4	185,660	3/4	170,428	3/4	155,196	3/4	139,964	3/4	124,733	3/4	109,501	3/4	94,263
7		7	215,708	7	200,569	7	185,342	7	170,111	7	154,879	7	139,647	7	124,415	7	109,183	7	93,946
1/4		1/4	215,395	1/4	200,253	1/4	185,025	1/4	169,793	1/4	154,562	1/4	139,330	1/4	124,098	1/4	108,866	1/4	93,628
1/2		1/2	215,082	1/2	199,937	1/2	184,708	1/2	169,476	1/2	154,244	1/2	139,012	1/2	123,781	1/2	108,548	1/2	93,311
3/4		3/4	214,769	3/4	199,621	3/4	184,391	3/4	169,159	3/4	153,927	3/4	138,695	3/4	123,463	3/4	108,231	3/4	92,993
8		8	214,456	8	199,305	8	184,073	8	168,841	8	153,610	8	138,378	8	123,146	8	107,913	8	92,676
1/4		1/4	214,142	1/4	198,988	1/4	183,756	1/4	168,524	1/4	153,292	1/4	138,060	1/4	122,829	1/4	107,596	1/4	92,358
1/2		1/2	213,829	1/2	198,670	1/2	183,439	1/2	168,207	1/2	152,975	1/2	137,743	1/2	122,511	1/2	107,278	1/2	92,041
3/4		3/4	213,516	3/4	198,353	3/4	183,121	3/4	167,889	3/4	152,658	3/4	137,426	3/4	122,194	3/4	106,961	3/4	91,724
9		9	213,203	9	198,036	9	182,804	9	167,572	9	152,340	9	137,108	9	121,877	9	106,644	9	91,406
1/4		1/4	212,890	1/4	197,718	1/4	182,487	1/4	167,255	1/4	152,023	1/4	136,791	1/4	121,559	1/4	106,326	1/4	91,089
1/2		1/2	212,576	1/2	197,401	1/2	182,169	1/2	166,937	1/2	151,706	1/2	136,474	1/2	121,242	1/2	106,009	1/2	90,771
3/4		3/4	212,263	3/4	197,084	3/4	181,852	3/4	166,620	3/4	151,388	3/4	136,156	3/4	120,925	3/4	105,691	3/4	90,454
10		10	211,950	10	196,766	10	181,535	10	166,303	10	151,071	10	135,839	10	120,607	10	105,374	10	90,136
1/4		1/4	211,634	1/4	196,449	1/4	181,217	1/4	165,985	1/4	150,754	1/4	135,522	1/4	120,290	1/4	105,056	1/4	89,819
1/2		1/2	211,318	1/2	196,132	1/2	180,900	1/2	165,668	1/2	150,436	1/2	135,205	1/2	119,973	1/2	104,739	1/2	89,501
3/4		3/4	211,001	3/4	195,814	3/4	180,583	3/4	165,351	3/4	150,119	3/4	134,887	3/4	119,655	3/4	104,421	3/4	89,184
11		11	210,685	11	195,497	11	180,265	11	165,033	11	149,802	11	134,570	11	119,338	11	104,104	11	88,867
1/4		1/4	210,369	1/4	195,180	1/4	179,948	1/4	164,716	1/4	149,484	1/4	134,253	1/4	119,021	1/4	103,786	1/4	88,549
1/2		1/2	210,053	1/2	194,862	1/2	179,631	1/2	164,399	1/2	149,167	1/2	133,935	1/2	118,703	1/2	103,469	1/2	88,232
3/4		3/4	209,737	3/4	194,545	3/4	179,313	3/4	164,081	3/4	148,850	3/4	133,618	3/4	118,386	3/4	103,152	3/4	87,914

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	87,597	0	72,359	0	57,122	0	41,901	0	26,668	0	11,432	0		0		0		0	
1/4	87,279	1/4	72,042	1/4	56,805	1/4	41,584	1/4	26,351	1/4	11,114	1/4		1/4		1/4		1/4	
1/2	86,962	1/2	71,724	1/2	56,487	1/2	41,267	1/2	26,033	1/2	10,797	1/2		1/2		1/2		1/2	
3/4	86,644	3/4	71,407	3/4	56,170	3/4	40,950	3/4	25,716	3/4	10,479	3/4		3/4		3/4		3/4	
1	86,327	1	71,090	1	55,852	1	40,633	1	25,399	1	10,162	1		1		1		1	
1/4	86,010	1/4	70,772	1/4	55,535	1/4	40,316	1/4	25,081	1/4	9,844	1/4		1/4		1/4		1/4	
1/2	85,692	1/2	70,455	1/2	55,217	1/2	40,000	1/2	24,764	1/2	9,527	1/2		1/2		1/2		1/2	
3/4	85,375	3/4	70,137	3/4	54,900	3/4	39,683	3/4	24,446	3/4	9,210	3/4		3/4		3/4		3/4	
2	85,057	2	69,820	2	54,582	2	39,366	2	24,129	2	8,892	2		2		2		2	
1/4	84,740	1/4	69,502	1/4	54,265	1/4	39,048	1/4	23,811	1/4	8,575	1/4		1/4		1/4		1/4	
1/2	84,422	1/2	69,185	1/2	53,948	1/2	38,731	1/2	23,494	1/2	8,257	1/2		1/2		1/2		1/2	
3/4	84,105	3/4	68,867	3/4	53,630	3/4	38,413	3/4	23,177	3/4	7,940	3/4		3/4		3/4		3/4	
3	83,787	3	68,550	3	53,313	3	38,096	3	22,859	3	7,622	3		3		3		3	
1/4	83,470	1/4	68,233	1/4	52,995	1/4	37,778	1/4	22,542	1/4	7,305	1/4		1/4		1/4		1/4	
1/2	83,153	1/2	67,915	1/2	52,678	1/2	37,461	1/2	22,224	1/2	6,988	1/2		1/2		1/2		1/2	
3/4	82,835	3/4	67,598	3/4	52,360	3/4	37,144	3/4	21,907	3/4	6,670	3/4		3/4		3/4		3/4	
4	82,518	4	67,280	4	52,043	4	36,826	4	21,589	4	6,353	4		4		4		4	
1/4	82,200	1/4	66,963	1/4	51,726	1/4	36,509	1/4	21,272	1/4	6,036	1/4		1/4		1/4		1/4	
1/2	81,883	1/2	66,645	1/2	51,409	1/2	36,191	1/2	20,955	1/2	5,719	1/2		1/2		1/2		1/2	
3/4	81,565	3/4	66,328	3/4	51,092	3/4	35,874	3/4	20,637	3/4	5,402	3/4		3/4		3/4		3/4	
5	81,248	5	66,010	5	50,775	5	35,556	5	20,320	5	5,085	5		5		5		5	
1/4	80,930	1/4	65,693	1/4	50,458	1/4	35,239	1/4	20,002	1/4	4,769	1/4		1/4		1/4		1/4	
1/2	80,613	1/2	65,376	1/2	50,141	1/2	34,922	1/2	19,685	1/2	4,453	1/2		1/2		1/2		1/2	
3/4	80,296	3/4	65,058	3/4	49,824	3/4	34,604	3/4	19,367	3/4	4,137	3/4		3/4		3/4		3/4	
6	79,978	6	64,741	6	49,507	6	34,287	6	19,050	6	3,821	6		6		6		6	
1/4	79,661	1/4	64,423	1/4	49,190	1/4	33,969	1/4	18,733	1/4	3,530	1/4		1/4		1/4		1/4	
1/2	79,343	1/2	64,106	1/2	48,874	1/2	33,652	1/2	18,415	1/2	3,239	1/2		1/2		1/2		1/2	
3/4	79,026	3/4	63,788	3/4	48,557	3/4	33,334	3/4	18,098	3/4	2,948	3/4		3/4		3/4		3/4	
7	78,708	7	63,471	7	48,240	7	33,017	7	17,780	7	2,658	7		7		7		7	
1/4	78,391	1/4	63,153	1/4	47,923	1/4	32,700	1/4	17,463	1/4	2,420	1/4		1/4		1/4		1/4	
1/2	78,073	1/2	62,836	1/2	47,606	1/2	32,382	1/2	17,145	1/2	2,181	1/2		1/2		1/2		1/2	
3/4	77,756	3/4	62,519	3/4	47,289	3/4	32,065	3/4	16,828	3/4	1,943	3/4		3/4		3/4		3/4	
8	77,438	8	62,201	8	46,972	8	31,747	8	16,510	8	1,705	8		8		8		8	
1/4	77,121	1/4	61,884	1/4	46,655	1/4	31,430	1/4	16,193	1/4	1,520	1/4		1/4		1/4		1/4	
1/2	76,804	1/2	61,566	1/2	46,338	1/2	31,112	1/2	15,876	1/2	1,335	1/2		1/2		1/2		1/2	
3/4	76,486	3/4	61,249	3/4	46,021	3/4	30,795	3/4	15,558	3/4	1,150	3/4		3/4		3/4		3/4	
9	76,169	9	60,931	9	45,704	9	30,478	9	15,241	9	965	9		9		9		9	
1/4	75,851	1/4	60,614	1/4	45,387	1/4	30,160	1/4	14,923	1/4		1/4		1/4		1/4		1/4	
1/2	75,534	1/2	60,296	1/2	45,070	1/2	29,843	1/2	14,606	1/2		1/2		1/2		1/2		1/2	
3/4	75,216	3/4	59,979	3/4	44,753	3/4	29,525	3/4	14,288	3/4		3/4		3/4		3/4		3/4	
10	74,899	10	59,662	10	44,437	10	29,208	10	13,971	10		10		10		10		10	
1/4	74,581	1/4	59,344	1/4	44,120	1/4	28,890	1/4	13,654	1/4		1/4		1/4		1/4		1/4	
1/2	74,264	1/2	59,027	1/2	43,803	1/2	28,573	1/2	13,336	1/2		1/2		1/2		1/2		1/2	
3/4	73,947	3/4	58,709	3/4	43,486	3/4	28,256	3/4	13,019	3/4		3/4		3/4		3/4		3/4	
11	73,629	11	58,392	11	43,169	11	27,938	11	12,701	11		11		11		11		11	
1/4	73,312	1/4	58,074	1/4	42,852	1/4	27,621	1/4	12,384	1/4		1/4		1/4		1/4		1/4	
1/2	72,994	1/2	57,757	1/2	42,535	1/2	27,303	1/2	12,066	1/2		1/2		1/2		1/2		1/2	
3/4	72,677	3/4	57,439	3/4	42,218	3/4	26,986	3/4	11,749	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 381"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	209,340	0	194,148	0	178,916	0	163,684	0	148,453	0	133,221	0	117,989	0	102,754
1/4		1/4		1/4	209,024	1/4	193,831	1/4	178,599	1/4	163,367	1/4	148,135	1/4	132,903	1/4	117,672	1/4	102,437
1/2		1/2		1/2	208,708	1/2	193,513	1/2	178,281	1/2	163,050	1/2	147,818	1/2	132,586	1/2	117,354	1/2	102,119
3/4		3/4		3/4	208,392	3/4	193,196	3/4	177,964	3/4	162,732	3/4	147,501	3/4	132,269	3/4	117,037	3/4	101,802
1		1	222,189	1	208,076	1	192,879	1	177,647	1	162,415	1	147,183	1	131,951	1	116,720	1	101,485
1/4		1/4	222,007	1/4	207,760	1/4	192,561	1/4	177,329	1/4	162,098	1/4	146,866	1/4	131,634	1/4	116,402	1/4	101,167
1/2		1/2	221,825	1/2	207,444	1/2	192,244	1/2	177,012	1/2	161,780	1/2	146,549	1/2	131,317	1/2	116,085	1/2	100,850
3/4		3/4	221,643	3/4	207,128	3/4	191,927	3/4	176,695	3/4	161,463	3/4	146,231	3/4	130,999	3/4	115,768	3/4	100,532
2		2	221,461	2	206,812	2	191,609	2	176,377	2	161,146	2	145,914	2	130,682	2	115,450	2	100,215
1/4		1/4	221,227	1/4	206,496	1/4	191,292	1/4	176,060	1/4	160,828	1/4	145,597	1/4	130,365	1/4	115,133	1/4	99,897
1/2		1/2	220,993	1/2	206,179	1/2	190,975	1/2	175,743	1/2	160,511	1/2	145,279	1/2	130,047	1/2	114,816	1/2	99,580
3/4		3/4	220,759	3/4	205,863	3/4	190,657	3/4	175,425	3/4	160,194	3/4	144,962	3/4	129,730	3/4	114,498	3/4	99,262
3		3	220,525	3	205,547	3	190,340	3	175,108	3	159,876	3	144,645	3	129,413	3	114,181	3	98,945
1/4		1/4	220,239	1/4	205,231	1/4	190,023	1/4	174,791	1/4	159,559	1/4	144,327	1/4	129,095	1/4	113,864	1/4	98,628
1/2		1/2	219,952	1/2	204,915	1/2	189,705	1/2	174,473	1/2	159,242	1/2	144,010	1/2	128,778	1/2	113,546	1/2	98,310
3/4		3/4	219,665	3/4	204,599	3/4	189,388	3/4	174,156	3/4	158,924	3/4	143,693	3/4	128,461	3/4	113,229	3/4	97,993
4		4	219,379	4	204,283	4	189,071	4	173,839	4	158,607	4	143,375	4	128,143	4	112,912	4	97,675
1/4		1/4	219,067	1/4	203,967	1/4	188,753	1/4	173,521	1/4	158,290	1/4	143,058	1/4	127,826	1/4	112,594	1/4	97,358
1/2		1/2	218,755	1/2	203,651	1/2	188,436	1/2	173,204	1/2	157,972	1/2	142,741	1/2	127,509	1/2	112,277	1/2	97,040
3/4		3/4	218,444	3/4	203,334	3/4	188,119	3/4	172,887	3/4	157,655	3/4	142,423	3/4	127,191	3/4	111,960	3/4	96,723
5		5	218,132	5	203,018	5	187,801	5	172,570	5	157,338	5	142,106	5	126,874	5	111,642	5	96,405
1/4		1/4	217,819	1/4	202,702	1/4	187,484	1/4	172,252	1/4	157,020	1/4	141,789	1/4	126,557	1/4	111,325	1/4	96,088
1/2		1/2	217,506	1/2	202,386	1/2	187,167	1/2	171,935	1/2	156,703	1/2	141,471	1/2	126,240	1/2	111,008	1/2	95,771
3/4		3/4	217,194	3/4	202,070	3/4	186,849	3/4	171,618	3/4	156,386	3/4	141,154	3/4	125,922	3/4	110,690	3/4	95,453
6		6	216,881	6	201,754	6	186,532	6	171,300	6	156,068	6	140,837	6	125,605	6	110,373	6	95,136
1/4		1/4	216,568	1/4	201,438	1/4	186,215	1/4	170,983	1/4	155,751	1/4	140,519	1/4	125,288	1/4	110,056	1/4	94,818
1/2		1/2	216,255	1/2	201,122	1/2	185,897	1/2	170,666	1/2	155,434	1/2	140,202	1/2	124,970	1/2	109,738	1/2	94,501
3/4		3/4	215,942	3/4	200,806	3/4	185,580	3/4	170,348	3/4	155,116	3/4	139,885	3/4	124,653	3/4	109,421	3/4	94,183
7		7	215,628	7	200,490	7	185,263	7	170,031	7	154,799	7	139,567	7	124,336	7	109,103	7	93,866
1/4		1/4	215,315	1/4	200,173	1/4	184,945	1/4	169,714	1/4	154,482	1/4	139,250	1/4	124,018	1/4	108,786	1/4	93,548
1/2		1/2	215,002	1/2	199,857	1/2	184,628	1/2	169,396	1/2	154,164	1/2	138,933	1/2	123,701	1/2	108,468	1/2	93,231
3/4		3/4	214,689	3/4	199,541	3/4	184,311	3/4	169,079	3/4	153,847	3/4	138,615	3/4	123,384	3/4	108,151	3/4	92,914
8		8	214,376	8	199,225	8	183,993	8	168,762	8	153,530	8	138,298	8	123,066	8	107,834	8	92,596
1/4		1/4	214,062	1/4	198,908	1/4	183,676	1/4	168,444	1/4	153,212	1/4	137,981	1/4	122,749	1/4	107,516	1/4	92,279
1/2		1/2	213,749	1/2	198,590	1/2	183,359	1/2	168,127	1/2	152,895	1/2	137,663	1/2	122,432	1/2	107,199	1/2	91,961
3/4		3/4	213,436	3/4	198,273	3/4	183,041	3/4	167,810	3/4	152,578	3/4	137,346	3/4	122,114	3/4	106,881	3/4	91,644
9		9	213,123	9	197,956	9	182,724	9	167,492	9	152,260	9	137,029	9	121,797	9	106,564	9	91,326
1/4		1/4	212,810	1/4	197,638	1/4	182,407	1/4	167,175	1/4	151,943	1/4	136,711	1/4	121,480	1/4	106,246	1/4	91,009
1/2		1/2	212,496	1/2	197,321	1/2	182,089	1/2	166,858	1/2	151,626	1/2	136,394	1/2	121,162	1/2	105,929	1/2	90,691
3/4		3/4	212,183	3/4	197,004	3/4	181,772	3/4	166,540	3/4	151,308	3/4	136,077	3/4	120,845	3/4	105,611	3/4	90,374
10		10	211,870	10	196,687	10	181,455	10	166,223	10	150,991	10	135,759	10	120,528	10	105,294	10	90,057
1/4		1/4	211,554	1/4	196,369	1/4	181,137	1/4	165,906	1/4	150,674	1/4	135,442	1/4	120,210	1/4	104,976	1/4	89,739
1/2		1/2	211,238	1/2	196,052	1/2	180,820	1/2	165,588	1/2	150,356	1/2	135,125	1/2	119,893	1/2	104,659	1/2	89,422
3/4		3/4	210,921	3/4	195,735	3/4	180,503	3/4	165,271	3/4	150,039	3/4	134,807	3/4	119,576	3/4	104,342	3/4	89,104
11		11	210,605	11	195,417	11	180,185	11	164,954	11	149,722	11	134,490	11	119,258	11	104,024	11	88,787
1/4		1/4	210,289	1/4	195,100	1/4	179,868	1/4	164,636	1/4	149,405	1/4	134,173	1/4	118,941	1/4	103,707	1/4	88,469
1/2		1/2	209,973	1/2	194,783	1/2	179,551	1/2	164,319	1/2	149,087	1/2	133,855	1/2	118,624	1/2	103,389	1/2	88,152
3/4		3/4	209,657	3/4	194,465	3/4	179,233	3/4	164,002	3/4	148,770	3/4	133,538	3/4	118,306	3/4	103,072	3/4	87,834

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 381"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	87,517	0	72,280	0	57,042	0	41,881	0	26,668	0	11,432	0		0		0		0	
1/4	87,200	1/4	71,962	1/4	56,725	1/4	41,566	1/4	26,351	1/4	11,114	1/4		1/4		1/4		1/4	
1/2	86,882	1/2	71,645	1/2	56,407	1/2	41,251	1/2	26,033	1/2	10,797	1/2		1/2		1/2		1/2	
3/4	86,565	3/4	71,327	3/4	56,090	3/4	40,935	3/4	25,716	3/4	10,479	3/4		3/4		3/4		3/4	
1	86,247	1	71,010	1	55,772	1	40,620	1	25,399	1	10,162	1		1		1		1	
1/4	85,930	1/4	70,692	1/4	55,455	1/4	40,305	1/4	25,081	1/4	9,844	1/4		1/4		1/4		1/4	
1/2	85,612	1/2	70,375	1/2	55,138	1/2	39,990	1/2	24,764	1/2	9,527	1/2		1/2		1/2		1/2	
3/4	85,295	3/4	70,057	3/4	54,820	3/4	39,674	3/4	24,446	3/4	9,209	3/4		3/4		3/4		3/4	
2	84,977	2	69,740	2	54,503	2	39,359	2	24,129	2	8,892	2		2		2		2	
1/4	84,660	1/4	69,423	1/4	54,185	1/4	39,043	1/4	23,811	1/4	8,575	1/4		1/4		1/4		1/4	
1/2	84,343	1/2	69,105	1/2	53,868	1/2	38,727	1/2	23,494	1/2	8,257	1/2		1/2		1/2		1/2	
3/4	84,025	3/4	68,788	3/4	53,550	3/4	38,412	3/4	23,177	3/4	7,940	3/4		3/4		3/4		3/4	
3	83,708	3	68,470	3	53,233	3	38,096	3	22,859	3	7,622	3		3		3		3	
1/4	83,390	1/4	68,153	1/4	52,917	1/4	37,778	1/4	22,542	1/4	7,305	1/4		1/4		1/4		1/4	
1/2	83,073	1/2	67,835	1/2	52,601	1/2	37,461	1/2	22,224	1/2	6,988	1/2		1/2		1/2		1/2	
3/4	82,755	3/4	67,518	3/4	52,285	3/4	37,144	3/4	21,907	3/4	6,670	3/4		3/4		3/4		3/4	
4	82,438	4	67,200	4	51,970	4	36,826	4	21,589	4	6,353	4		4		4		4	
1/4	82,120	1/4	66,883	1/4	51,654	1/4	36,509	1/4	21,272	1/4	6,036	1/4		1/4		1/4		1/4	
1/2	81,803	1/2	66,566	1/2	51,339	1/2	36,191	1/2	20,955	1/2	5,719	1/2		1/2		1/2		1/2	
3/4	81,486	3/4	66,248	3/4	51,024	3/4	35,874	3/4	20,637	3/4	5,402	3/4		3/4		3/4		3/4	
5	81,168	5	65,931	5	50,709	5	35,556	5	20,320	5	5,085	5		5		5		5	
1/4	80,851	1/4	65,613	1/4	50,393	1/4	35,239	1/4	20,002	1/4	4,769	1/4		1/4		1/4		1/4	
1/2	80,533	1/2	65,296	1/2	50,078	1/2	34,922	1/2	19,685	1/2	4,453	1/2		1/2		1/2		1/2	
3/4	80,216	3/4	64,978	3/4	49,763	3/4	34,604	3/4	19,367	3/4	4,137	3/4		3/4		3/4		3/4	
6	79,898	6	64,661	6	49,448	6	34,287	6	19,050	6	3,821	6		6		6		6	
1/4	79,581	1/4	64,343	1/4	49,132	1/4	33,969	1/4	18,732	1/4	3,530	1/4		1/4		1/4		1/4	
1/2	79,263	1/2	64,026	1/2	48,817	1/2	33,652	1/2	18,415	1/2	3,239	1/2		1/2		1/2		1/2	
3/4	78,946	3/4	63,709	3/4	48,502	3/4	33,334	3/4	18,098	3/4	2,948	3/4		3/4		3/4		3/4	
7	78,628	7	63,391	7	48,186	7	33,017	7	17,780	7	2,658	7		7		7		7	
1/4	78,311	1/4	63,074	1/4	47,871	1/4	32,700	1/4	17,463	1/4	2,419	1/4		1/4		1/4		1/4	
1/2	77,994	1/2	62,756	1/2	47,556	1/2	32,382	1/2	17,145	1/2	2,181	1/2		1/2		1/2		1/2	
3/4	77,676	3/4	62,439	3/4	47,241	3/4	32,065	3/4	16,828	3/4	1,943	3/4		3/4		3/4		3/4	
8	77,359	8	62,121	8	46,925	8	31,747	8	16,510	8	1,705	8		8		8		8	
1/4	77,041	1/4	61,804	1/4	46,610	1/4	31,430	1/4	16,193	1/4	1,520	1/4		1/4		1/4		1/4	
1/2	76,724	1/2	61,486	1/2	46,295	1/2	31,112	1/2	15,876	1/2	1,335	1/2		1/2		1/2		1/2	
3/4	76,406	3/4	61,169	3/4	45,980	3/4	30,795	3/4	15,558	3/4	1,150	3/4		3/4		3/4		3/4	
9	76,089	9	60,852	9	45,664	9	30,478	9	15,241	9	965	9		9		9		9	
1/4	75,771	1/4	60,534	1/4	45,349	1/4	30,160	1/4	14,923	1/4		1/4		1/4		1/4		1/4	
1/2	75,454	1/2	60,217	1/2	45,034	1/2	29,843	1/2	14,606	1/2		1/2		1/2		1/2		1/2	
3/4	75,137	3/4	59,899	3/4	44,719	3/4	29,525	3/4	14,288	3/4		3/4		3/4		3/4		3/4	
10	74,819	10	59,582	10	44,403	10	29,208	10	13,971	10		10		10		10		10	
1/4	74,502	1/4	59,264	1/4	44,088	1/4	28,890	1/4	13,654	1/4		1/4		1/4		1/4		1/4	
1/2	74,184	1/2	58,947	1/2	43,773	1/2	28,573	1/2	13,336	1/2		1/2		1/2		1/2		1/2	
3/4	73,867	3/4	58,629	3/4	43,457	3/4	28,255	3/4	13,019	3/4		3/4		3/4		3/4		3/4	
11	73,549	11	58,312	11	43,142	11	27,938	11	12,701	11		11		11		11		11	
1/4	73,232	1/4	57,995	1/4	42,827	1/4	27,621	1/4	12,384	1/4		1/4		1/4		1/4		1/4	
1/2	72,914	1/2	57,677	1/2	42,512	1/2	27,303	1/2	12,066	1/2		1/2		1/2		1/2		1/2	
3/4	72,597	3/4	57,360	3/4	42,196	3/4	26,986	3/4	11,749	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 381"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	208,907	0	193,775	0	178,604	0	163,432	0	148,261	0	133,089	0	117,918	0	102,743
1/4		1/4		1/4	208,592	1/4	193,459	1/4	178,288	1/4	163,116	1/4	147,945	1/4	132,773	1/4	117,601	1/4	102,427
1/2		1/2		1/2	208,277	1/2	193,143	1/2	177,972	1/2	162,800	1/2	147,628	1/2	132,457	1/2	117,285	1/2	102,111
3/4		3/4		3/4	207,962	3/4	192,827	3/4	177,655	3/4	162,484	3/4	147,312	3/4	132,141	3/4	116,969	3/4	101,795
1		1		1	207,647	1	192,511	1	177,339	1	162,168	1	146,996	1	131,825	1	116,653	1	101,479
1/4		1/4		1/4	221,389	1/4	207,332	1/4	192,195	1/4	177,023	1/4	161,852	1/4	146,680	1/4	131,509	1/4	116,337
1/2		1/2		1/2	221,208	1/2	207,017	1/2	191,879	1/2	176,707	1/2	161,536	1/2	146,364	1/2	131,193	1/2	116,021
3/4		3/4		3/4	221,026	3/4	206,702	3/4	191,563	3/4	176,391	3/4	161,220	3/4	146,048	3/4	130,877	3/4	115,530
2		2		2	220,845	2	206,388	2	191,247	2	176,075	2	160,904	2	145,732	2	130,560	2	115,389
1/4		1/4		1/4	220,663	1/4	206,073	1/4	190,931	1/4	175,759	1/4	160,587	1/4	145,416	1/4	130,244	1/4	115,073
1/2		1/2		1/2	220,431	1/2	205,758	1/2	190,615	1/2	175,443	1/2	160,271	1/2	145,100	1/2	129,928	1/2	114,757
3/4		3/4		3/4	220,198	3/4	205,443	3/4	190,298	3/4	175,127	3/4	159,955	3/4	144,784	3/4	129,612	3/4	114,441
3		3		3	219,965	3	205,128	3	189,982	3	174,811	3	159,639	3	144,468	3	129,296	3	114,125
1/4		1/4		1/4	219,732	1/4	204,813	1/4	189,666	1/4	174,495	1/4	159,323	1/4	144,152	1/4	128,980	1/4	113,809
1/2		1/2		1/2	219,446	1/2	204,499	1/2	189,350	1/2	174,179	1/2	159,007	1/2	143,836	1/2	128,664	1/2	113,492
3/4		3/4		3/4	219,161	3/4	204,184	3/4	189,034	3/4	173,863	3/4	158,691	3/4	143,520	3/4	128,348	3/4	113,176
4		4		4	218,875	4	203,869	4	188,718	4	173,547	4	158,375	4	143,203	4	128,032	4	112,860
1/4		1/4		1/4	218,590	1/4	203,554	1/4	188,402	1/4	173,230	1/4	158,059	1/4	142,887	1/4	127,716	1/4	112,544
1/2		1/2		1/2	218,280	1/2	203,239	1/2	188,086	1/2	172,914	1/2	157,743	1/2	142,571	1/2	127,400	1/2	112,228
3/4		3/4		3/4	217,969	3/4	202,924	3/4	187,770	3/4	172,598	3/4	157,427	3/4	142,255	3/4	127,084	3/4	111,912
5		5		5	217,659	5	202,609	5	187,454	5	172,282	5	157,111	5	141,939	5	126,768	5	111,596
1/4		1/4		1/4	217,348	1/4	202,295	1/4	187,138	1/4	171,966	1/4	156,795	1/4	141,623	1/4	126,452	1/4	111,280
1/2		1/2		1/2	217,037	1/2	201,980	1/2	186,822	1/2	171,650	1/2	156,479	1/2	141,307	1/2	126,135	1/2	110,964
3/4		3/4		3/4	216,725	3/4	201,665	3/4	186,506	3/4	171,334	3/4	156,162	3/4	140,991	3/4	125,819	3/4	110,648
6		6		6	216,414	6	201,350	6	186,189	6	171,018	6	155,846	6	140,675	6	125,503	6	110,332
1/4		1/4		1/4	216,102	1/4	201,035	1/4	185,873	1/4	170,702	1/4	155,530	1/4	140,359	1/4	125,187	1/4	110,016
1/2		1/2		1/2	215,790	1/2	200,720	1/2	185,557	1/2	170,386	1/2	155,214	1/2	140,043	1/2	124,871	1/2	109,699
3/4		3/4		3/4	215,478	3/4	200,405	3/4	185,241	3/4	170,070	3/4	154,898	3/4	139,727	3/4	124,555	3/4	109,383
7		7		7	215,166	7	200,091	7	184,925	7	169,754	7	154,582	7	139,411	7	124,239	7	109,067
1/4		1/4		1/4	214,855	1/4	199,776	1/4	184,609	1/4	169,438	1/4	154,266	1/4	139,094	1/4	123,923	1/4	108,751
1/2		1/2		1/2	214,543	1/2	199,461	1/2	184,293	1/2	169,121	1/2	153,950	1/2	138,778	1/2	123,607	1/2	108,435
3/4		3/4		3/4	214,231	3/4	199,146	3/4	183,977	3/4	168,805	3/4	153,634	3/4	138,462	3/4	123,291	3/4	108,119
8		8		8	213,919	8	198,831	8	183,661	8	168,489	8	153,318	8	138,146	8	122,975	8	107,802
1/4		1/4		1/4	213,607	1/4	198,516	1/4	183,345	1/4	168,173	1/4	153,002	1/4	137,830	1/4	122,659	1/4	107,486
1/2		1/2		1/2	213,295	1/2	198,200	1/2	183,029	1/2	167,857	1/2	152,686	1/2	137,514	1/2	122,343	1/2	107,170
3/4		3/4		3/4	212,983	3/4	197,884	3/4	182,713	3/4	167,541	3/4	152,370	3/4	137,198	3/4	122,026	3/4	106,854
9		9		9	212,671	9	197,568	9	182,397	9	167,225	9	152,054	9	136,882	9	121,710	9	106,538
1/4		1/4		1/4	212,359	1/4	197,252	1/4	182,081	1/4	166,909	1/4	151,737	1/4	136,566	1/4	121,394	1/4	106,221
1/2		1/2		1/2	212,047	1/2	196,936	1/2	181,764	1/2	166,593	1/2	151,421	1/2	136,250	1/2	121,078	1/2	105,905
3/4		3/4		3/4	211,735	3/4	196,620	3/4	181,448	3/4	166,277	3/4	151,105	3/4	135,934	3/4	120,762	3/4	105,589
10		10		10	211,423	10	196,304	10	181,132	10	165,961	10	150,789	10	135,618	10	120,446	10	105,273
1/4		1/4		1/4	211,111	1/4	195,988	1/4	180,816	1/4	165,645	1/4	150,473	1/4	135,302	1/4	120,130	1/4	104,957
1/2		1/2		1/2	210,796	1/2	195,672	1/2	180,500	1/2	165,329	1/2	150,157	1/2	134,986	1/2	119,814	1/2	104,640
3/4		3/4		3/4	210,481	3/4	195,356	3/4	180,184	3/4	165,013	3/4	149,841	3/4	134,669	3/4	119,498	3/4	104,324
11		11		11	210,166	11	195,040	11	179,868	11	164,696	11	149,525	11	134,353	11	119,182	11	104,008
1/4		1/4		1/4	209,851	1/4	194,723	1/4	179,552	1/4	164,380	1/4	149,209	1/4	134,037	1/4	118,866	1/4	103,692
1/2		1/2		1/2	209,536	1/2	194,407	1/2	179,236	1/2	164,064	1/2	148,893	1/2	133,721	1/2	118,550	1/2	103,376
3/4		3/4		3/4	209,221	3/4	194,091	3/4	178,920	3/4	163,748	3/4	148,577	3/4	133,405	3/4	118,234	3/4	103,060

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 381"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,566	0	72,389	0	57,212	0	42,051	0	26,879	0	11,702	0		0		0		0	
1/4	87,250	1/4	72,073	1/4	56,896	1/4	41,735	1/4	26,563	1/4	11,386	1/4		1/4		1/4		1/4	
1/2	86,934	1/2	71,757	1/2	56,580	1/2	41,419	1/2	26,246	1/2	11,070	1/2		1/2		1/2		1/2	
3/4	86,618	3/4	71,440	3/4	56,263	3/4	41,104	3/4	25,930	3/4	10,754	3/4		3/4		3/4		3/4	
1	86,301	1	71,124	1	55,947	1	40,788	1	25,614	1	10,438	1		1		1		1	
1/4	85,985	1/4	70,808	1/4	55,631	1/4	40,472	1/4	25,298	1/4	10,121	1/4		1/4		1/4		1/4	
1/2	85,669	1/2	70,492	1/2	55,315	1/2	40,157	1/2	24,982	1/2	9,805	1/2		1/2		1/2		1/2	
3/4	85,353	3/4	70,176	3/4	54,999	3/4	39,841	3/4	24,666	3/4	9,489	3/4		3/4		3/4		3/4	
2	85,037	2	69,860	2	54,682	2	39,525	2	24,349	2	9,173	2		2		2		2	
1/4	84,720	1/4	69,543	1/4	54,366	1/4	39,210	1/4	24,033	1/4	8,857	1/4		1/4		1/4		1/4	
1/2	84,404	1/2	69,227	1/2	54,050	1/2	38,894	1/2	23,717	1/2	8,540	1/2		1/2		1/2		1/2	
3/4	84,088	3/4	68,911	3/4	53,734	3/4	38,577	3/4	23,401	3/4	8,224	3/4		3/4		3/4		3/4	
3	83,772	3	68,595	3	53,418	3	38,261	3	23,085	3	7,908	3		3		3		3	
1/4	83,456	1/4	68,279	1/4	53,101	1/4	37,945	1/4	22,768	1/4	7,592	1/4		1/4		1/4		1/4	
1/2	83,140	1/2	67,962	1/2	52,785	1/2	37,629	1/2	22,452	1/2	7,276	1/2		1/2		1/2		1/2	
3/4	82,823	3/4	67,646	3/4	52,469	3/4	37,313	3/4	22,136	3/4	6,960	3/4		3/4		3/4		3/4	
4	82,507	4	67,330	4	52,153	4	36,996	4	21,820	4	6,644	4		4		4		4	
1/4	82,191	1/4	67,014	1/4	51,837	1/4	36,680	1/4	21,504	1/4	6,327	1/4		1/4		1/4		1/4	
1/2	81,875	1/2	66,698	1/2	51,521	1/2	36,364	1/2	21,188	1/2	6,012	1/2		1/2		1/2		1/2	
3/4	81,559	3/4	66,381	3/4	51,205	3/4	36,048	3/4	20,871	3/4	5,696	3/4		3/4		3/4		3/4	
5	81,242	5	66,065	5	50,890	5	35,732	5	20,555	5	5,380	5		5		5		5	
1/4	80,926	1/4	65,749	1/4	50,574	1/4	35,416	1/4	20,239	1/4	5,064	1/4		1/4		1/4		1/4	
1/2	80,610	1/2	65,433	1/2	50,258	1/2	35,099	1/2	19,923	1/2	4,750	1/2		1/2		1/2		1/2	
3/4	80,294	3/4	65,117	3/4	49,943	3/4	34,783	3/4	19,607	3/4	4,435	3/4		3/4		3/4		3/4	
6	79,978	6	64,800	6	49,627	6	34,467	6	19,290	6	4,120	6		6		6		6	
1/4	79,661	1/4	64,484	1/4	49,311	1/4	34,151	1/4	18,974	1/4	3,806	1/4		1/4		1/4		1/4	
1/2	79,345	1/2	64,168	1/2	48,996	1/2	33,835	1/2	18,658	1/2	3,516	1/2		1/2		1/2		1/2	
3/4	79,029	3/4	63,852	3/4	48,680	3/4	33,518	3/4	18,342	3/4	3,226	3/4		3/4		3/4		3/4	
7	78,713	7	63,536	7	48,364	7	33,202	7	18,026	7	2,937	7		7		7		7	
1/4	78,397	1/4	63,220	1/4	48,049	1/4	32,886	1/4	17,710	1/4	2,647	1/4		1/4		1/4		1/4	
1/2	78,080	1/2	62,903	1/2	47,733	1/2	32,570	1/2	17,393	1/2	2,410	1/2		1/2		1/2		1/2	
3/4	77,764	3/4	62,587	3/4	47,417	3/4	32,254	3/4	17,077	3/4	2,173	3/4		3/4		3/4		3/4	
8	77,448	8	62,271	8	47,102	8	31,938	8	16,761	8	1,935	8		8		8		8	
1/4	77,132	1/4	61,955	1/4	46,786	1/4	31,621	1/4	16,445	1/4	1,698	1/4		1/4		1/4		1/4	
1/2	76,816	1/2	61,639	1/2	46,470	1/2	31,305	1/2	16,129	1/2	1,514	1/2		1/2		1/2		1/2	
3/4	76,500	3/4	61,322	3/4	46,155	3/4	30,989	3/4	15,813	3/4	1,330	3/4		3/4		3/4		3/4	
9	76,183	9	61,006	9	45,839	9	30,673	9	15,496	9	1,145	9		9		9		9	
1/4	75,867	1/4	60,690	1/4	45,523	1/4	30,357	1/4	15,180	1/4	961	1/4		1/4		1/4		1/4	
1/2	75,551	1/2	60,374	1/2	45,208	1/2	30,041	1/2	14,864	1/2		1/2		1/2		1/2		1/2	
3/4	75,235	3/4	60,058	3/4	44,892	3/4	29,724	3/4	14,548	3/4		3/4		3/4		3/4		3/4	
10	74,919	10	59,741	10	44,576	10	29,408	10	14,232	10		10		10		10		10	
1/4	74,602	1/4	59,425	1/4	44,260	1/4	29,092	1/4	13,915	1/4		1/4		1/4		1/4		1/4	
1/2	74,286	1/2	59,109	1/2	43,945	1/2	28,776	1/2	13,599	1/2		1/2		1/2		1/2		1/2	
3/4	73,970	3/4	58,793	3/4	43,629	3/4	28,460	3/4	13,283	3/4		3/4		3/4		3/4		3/4	
11	73,654	11	58,477	11	43,313	11	28,143	11	12,967	11		11		11		11		11	
1/4	73,338	1/4	58,160	1/4	42,998	1/4	27,827	1/4	12,651	1/4		1/4		1/4		1/4		1/4	
1/2	73,021	1/2	57,844	1/2	42,682	1/2	27,511	1/2	12,335	1/2		1/2		1/2		1/2		1/2	
3/4	72,705	3/4	57,528	3/4	42,366	3/4	27,195	3/4	12,018	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 381"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	207,635	0	192,500	0	177,326	0	162,153	0	146,979	0	131,806	0	116,633	0	101,456
1/4		1/4		1/4	207,320	1/4	192,183	1/4	177,010	1/4	161,837	1/4	146,663	1/4	131,490	1/4	116,317	1/4	101,140
1/2		1/2		1/2	207,005	1/2	191,867	1/2	176,694	1/2	161,521	1/2	146,347	1/2	131,174	1/2	116,000	1/2	100,824
3/4		3/4	220,749	3/4	206,690	3/4	191,551	3/4	176,378	3/4	161,204	3/4	146,031	3/4	130,858	3/4	115,684	3/4	100,508
1		1	220,568	1	206,375	1	191,235	1	176,062	1	160,888	1	145,715	1	130,542	1	115,368	1	100,191
1/4		1/4	220,386	1/4	206,061	1/4	190,919	1/4	175,746	1/4	160,572	1/4	145,399	1/4	130,225	1/4	115,052	1/4	99,875
1/2		1/2	220,205	1/2	205,746	1/2	190,603	1/2	175,429	1/2	160,256	1/2	145,083	1/2	129,909	1/2	114,736	1/2	99,559
3/4		3/4	220,023	3/4	205,431	3/4	190,287	3/4	175,113	3/4	159,940	3/4	144,767	3/4	129,593	3/4	114,420	3/4	99,243
2		2	219,790	2	205,116	2	189,971	2	174,797	2	159,624	2	144,451	2	129,277	2	114,104	2	98,927
1/4		1/4	219,558	1/4	204,801	1/4	189,655	1/4	174,481	1/4	159,308	1/4	144,134	1/4	128,961	1/4	113,788	1/4	98,610
1/2		1/2	219,325	1/2	204,486	1/2	189,338	1/2	174,165	1/2	158,992	1/2	143,818	1/2	128,645	1/2	113,472	1/2	98,294
3/4		3/4	219,092	3/4	204,171	3/4	189,022	3/4	173,849	3/4	158,676	3/4	143,502	3/4	128,329	3/4	113,155	3/4	97,978
3		3	218,806	3	203,856	3	188,706	3	173,533	3	158,359	3	143,186	3	128,013	3	112,839	3	97,662
1/4		1/4	218,521	1/4	203,541	1/4	188,390	1/4	173,217	1/4	158,043	1/4	142,870	1/4	127,697	1/4	112,523	1/4	97,345
1/2		1/2	218,235	1/2	203,227	1/2	188,074	1/2	172,901	1/2	157,727	1/2	142,554	1/2	127,380	1/2	112,207	1/2	97,029
3/4		3/4	217,950	3/4	202,912	3/4	187,758	3/4	172,584	3/4	157,411	3/4	142,238	3/4	127,064	3/4	111,891	3/4	96,713
4		4	217,639	4	202,597	4	187,442	4	172,268	4	157,095	4	141,922	4	126,748	4	111,575	4	96,397
1/4		1/4	217,329	1/4	202,282	1/4	187,126	1/4	171,952	1/4	156,779	1/4	141,606	1/4	126,432	1/4	111,259	1/4	96,081
1/2		1/2	217,018	1/2	201,967	1/2	186,809	1/2	171,636	1/2	156,463	1/2	141,289	1/2	126,116	1/2	110,943	1/2	95,764
3/4		3/4	216,708	3/4	201,652	3/4	186,493	3/4	171,320	3/4	156,147	3/4	140,973	3/4	125,800	3/4	110,627	3/4	95,448
5		5	216,396	5	201,337	5	186,177	5	171,004	5	155,831	5	140,657	5	125,484	5	110,310	5	95,132
1/4		1/4	216,085	1/4	201,022	1/4	185,861	1/4	170,688	1/4	155,514	1/4	140,341	1/4	125,168	1/4	109,994	1/4	94,816
1/2		1/2	215,773	1/2	200,707	1/2	185,545	1/2	170,372	1/2	155,198	1/2	140,025	1/2	124,852	1/2	109,678	1/2	94,499
3/4		3/4	215,461	3/4	200,393	3/4	185,229	3/4	170,056	3/4	154,882	3/4	139,709	3/4	124,535	3/4	109,362	3/4	94,183
6		6	215,149	6	200,078	6	184,913	6	169,739	6	154,566	6	139,393	6	124,219	6	109,046	6	93,867
1/4		1/4	214,838	1/4	199,763	1/4	184,597	1/4	169,423	1/4	154,250	1/4	139,077	1/4	123,903	1/4	108,730	1/4	93,551
1/2		1/2	214,526	1/2	199,448	1/2	184,281	1/2	169,107	1/2	153,934	1/2	138,761	1/2	123,587	1/2	108,413	1/2	93,234
3/4		3/4	214,214	3/4	199,133	3/4	183,964	3/4	168,791	3/4	153,618	3/4	138,444	3/4	123,271	3/4	108,097	3/4	92,918
7		7	213,902	7	198,818	7	183,648	7	168,475	7	153,302	7	138,128	7	122,955	7	107,781	7	92,602
1/4		1/4	213,590	1/4	198,503	1/4	183,332	1/4	168,159	1/4	152,986	1/4	137,812	1/4	122,639	1/4	107,465	1/4	92,286
1/2		1/2	213,278	1/2	198,188	1/2	183,016	1/2	167,843	1/2	152,669	1/2	137,496	1/2	122,323	1/2	107,149	1/2	91,970
3/4		3/4	212,966	3/4	197,873	3/4	182,700	3/4	167,527	3/4	152,353	3/4	137,180	3/4	122,007	3/4	106,832	3/4	91,653
8		8	212,654	8	197,557	8	182,384	8	167,211	8	152,037	8	136,864	8	121,690	8	106,516	8	91,337
1/4		1/4	212,342	1/4	197,241	1/4	182,068	1/4	166,894	1/4	151,721	1/4	136,548	1/4	121,374	1/4	106,200	1/4	91,021
1/2		1/2	212,030	1/2	196,925	1/2	181,752	1/2	166,578	1/2	151,405	1/2	136,232	1/2	121,058	1/2	105,884	1/2	90,705
3/4		3/4	211,718	3/4	196,609	3/4	181,436	3/4	166,262	3/4	151,089	3/4	135,915	3/4	120,742	3/4	105,567	3/4	90,388
9		9	211,406	9	196,293	9	181,119	9	165,946	9	150,773	9	135,599	9	120,426	9	105,251	9	90,072
1/4		1/4	211,094	1/4	195,977	1/4	180,803	1/4	165,630	1/4	150,457	1/4	135,283	1/4	120,110	1/4	104,935	1/4	89,756
1/2		1/2	210,782	1/2	195,661	1/2	180,487	1/2	165,314	1/2	150,141	1/2	134,967	1/2	119,794	1/2	104,619	1/2	89,440
3/4		3/4	210,470	3/4	195,345	3/4	180,171	3/4	164,998	3/4	149,824	3/4	134,651	3/4	119,478	3/4	104,302	3/4	89,123
10		10	210,155	10	195,028	10	179,855	10	164,682	10	149,508	10	134,335	10	119,162	10	103,986	10	88,807
1/4		1/4	209,840	1/4	194,712	1/4	179,539	1/4	164,366	1/4	149,192	1/4	134,019	1/4	118,845	1/4	103,670	1/4	88,491
1/2		1/2	209,525	1/2	194,396	1/2	179,223	1/2	164,049	1/2	148,876	1/2	133,703	1/2	118,529	1/2	103,354	1/2	88,175
3/4		3/4	209,210	3/4	194,080	3/4	178,907	3/4	163,733	3/4	148,560	3/4	133,387	3/4	118,213	3/4	103,038	3/4	87,859
11		11	208,895	11	193,764	11	178,591	11	163,417	11	148,244	11	133,070	11	117,897	11	102,721	11	87,542
1/4		1/4	208,580	1/4	193,448	1/4	178,274	1/4	163,101	1/4	147,928	1/4	132,754	1/4	117,581	1/4	102,405	1/4	87,226
1/2		1/2	208,265	1/2	193,132	1/2	177,958	1/2	162,785	1/2	147,612	1/2	132,438	1/2	117,265	1/2	102,089	1/2	86,910
3/4		3/4	207,950	3/4	192,816	3/4	177,642	3/4	162,469	3/4	147,296	3/4	132,122	3/4	116,949	3/4	101,773	3/4	86,594

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 381"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,277	0	71,098	0	55,920	0	41,272	0	26,250	0	11,072	0		0		0		0	
1/4	85,961	1/4	70,782	1/4	55,603	1/4	40,970	1/4	25,934	1/4	10,755	1/4		1/4		1/4		1/4	
1/2	85,645	1/2	70,466	1/2	55,287	1/2	40,668	1/2	25,617	1/2	10,439	1/2		1/2		1/2		1/2	
3/4	85,329	3/4	70,150	3/4	54,971	3/4	40,366	3/4	25,301	3/4	10,123	3/4		3/4		3/4		3/4	
1	85,013	1	69,834	1	54,655	1	40,065	1	24,985	1	9,807	1		1		1		1	
1/4	84,696	1/4	69,517	1/4	54,338	1/4	39,763	1/4	24,669	1/4	9,490	1/4		1/4		1/4		1/4	
1/2	84,380	1/2	69,201	1/2	54,022	1/2	39,461	1/2	24,353	1/2	9,174	1/2		1/2		1/2		1/2	
3/4	84,064	3/4	68,885	3/4	53,706	3/4	39,159	3/4	24,036	3/4	8,858	3/4		3/4		3/4		3/4	
2	83,748	2	68,569	2	53,390	2	38,857	2	23,720	2	8,542	2		2		2		2	
1/4	83,431	1/4	68,252	1/4	53,073	1/4	38,555	1/4	23,404	1/4	8,226	1/4		1/4		1/4		1/4	
1/2	83,115	1/2	67,936	1/2	52,757	1/2	38,252	1/2	23,088	1/2	7,909	1/2		1/2		1/2		1/2	
3/4	82,799	3/4	67,620	3/4	52,441	3/4	37,950	3/4	22,772	3/4	7,593	3/4		3/4		3/4		3/4	
3	82,483	3	67,304	3	52,139	3	37,634	3	22,455	3	7,277	3		3		3		3	
1/4	82,166	1/4	66,987	1/4	51,836	1/4	37,317	1/4	22,139	1/4	6,961	1/4		1/4		1/4		1/4	
1/2	81,850	1/2	66,671	1/2	51,534	1/2	37,001	1/2	21,823	1/2	6,645	1/2		1/2		1/2		1/2	
3/4	81,534	3/4	66,355	3/4	51,232	3/4	36,685	3/4	21,507	3/4	6,329	3/4		3/4		3/4		3/4	
4	81,218	4	66,039	4	50,930	4	36,369	4	21,190	4	6,013	4		4		4		4	
1/4	80,902	1/4	65,723	1/4	50,628	1/4	36,053	1/4	20,874	1/4	5,697	1/4		1/4		1/4		1/4	
1/2	80,585	1/2	65,406	1/2	50,326	1/2	35,736	1/2	20,558	1/2	5,381	1/2		1/2		1/2		1/2	
3/4	80,269	3/4	65,090	3/4	50,024	3/4	35,420	3/4	20,242	3/4	5,065	3/4		3/4		3/4		3/4	
5	79,953	5	64,774	5	49,723	5	35,104	5	19,926	5	4,751	5		5		5		5	
1/4	79,637	1/4	64,458	1/4	49,421	1/4	34,788	1/4	19,609	1/4	4,436	1/4		1/4		1/4		1/4	
1/2	79,320	1/2	64,141	1/2	49,119	1/2	34,472	1/2	19,293	1/2	4,121	1/2		1/2		1/2		1/2	
3/4	79,004	3/4	63,825	3/4	48,817	3/4	34,155	3/4	18,977	3/4	3,807	3/4		3/4		3/4		3/4	
6	78,688	6	63,509	6	48,515	6	33,839	6	18,661	6	3,517	6		6		6		6	
1/4	78,372	1/4	63,193	1/4	48,214	1/4	33,523	1/4	18,345	1/4	3,227	1/4		1/4		1/4		1/4	
1/2	78,055	1/2	62,877	1/2	47,912	1/2	33,207	1/2	18,028	1/2	2,937	1/2		1/2		1/2		1/2	
3/4	77,739	3/4	62,560	3/4	47,610	3/4	32,890	3/4	17,712	3/4	2,647	3/4		3/4		3/4		3/4	
7	77,423	7	62,244	7	47,308	7	32,574	7	17,396	7	2,410	7		7		7		7	
1/4	77,107	1/4	61,928	1/4	47,006	1/4	32,258	1/4	17,080	1/4	2,173	1/4		1/4		1/4		1/4	
1/2	76,791	1/2	61,612	1/2	46,704	1/2	31,942	1/2	16,763	1/2	1,936	1/2		1/2		1/2		1/2	
3/4	76,474	3/4	61,295	3/4	46,403	3/4	31,626	3/4	16,447	3/4	1,699	3/4		3/4		3/4		3/4	
8	76,158	8	60,979	8	46,101	8	31,309	8	16,131	8	1,514	8		8		8		8	
1/4	75,842	1/4	60,663	1/4	45,799	1/4	30,993	1/4	15,815	1/4	1,330	1/4		1/4		1/4		1/4	
1/2	75,526	1/2	60,347	1/2	45,497	1/2	30,677	1/2	15,499	1/2	1,146	1/2		1/2		1/2		1/2	
3/4	75,209	3/4	60,030	3/4	45,195	3/4	30,361	3/4	15,182	3/4	961	3/4		3/4		3/4		3/4	
9	74,893	9	59,714	9	44,894	9	30,045	9	14,866	9		9		9		9		9	
1/4	74,577	1/4	59,398	1/4	44,592	1/4	29,728	1/4	14,550	1/4		1/4		1/4		1/4		1/4	
1/2	74,261	1/2	59,082	1/2	44,290	1/2	29,412	1/2	14,234	1/2		1/2		1/2		1/2		1/2	
3/4	73,945	3/4	58,766	3/4	43,988	3/4	29,096	3/4	13,918	3/4		3/4		3/4		3/4		3/4	
10	73,628	10	58,449	10	43,686	10	28,780	10	13,601	10		10		10		10		10	
1/4	73,312	1/4	58,133	1/4	43,385	1/4	28,463	1/4	13,285	1/4		1/4		1/4		1/4		1/4	
1/2	72,996	1/2	57,817	1/2	43,083	1/2	28,147	1/2	12,969	1/2		1/2		1/2		1/2		1/2	
3/4	72,680	3/4	57,501	3/4	42,781	3/4	27,831	3/4	12,653	3/4		3/4		3/4		3/4		3/4	
11	72,363	11	57,184	11	42,479	11	27,515	11	12,336	11		11		11		11		11	
1/4	72,047	1/4	56,868	1/4	42,177	1/4	27,199	1/4	12,020	1/4		1/4		1/4		1/4		1/4	
1/2	71,731	1/2	56,552	1/2	41,875	1/2	26,882	1/2	11,704	1/2		1/2		1/2		1/2		1/2	
3/4	71,415	3/4	56,236	3/4	41,574	3/4	26,566	3/4	11,388	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 381"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	179,435	0	171,323	0	163,193	0	155,063	0	146,644	0	131,609	0	116,521	0	101,406
1/4		1/4		1/4	179,266	1/4	171,154	1/4	163,024	1/4	154,893	1/4	146,331	1/4	131,295	1/4	116,206	1/4	101,092
1/2		1/2	186,190	1/2	179,098	1/2	170,984	1/2	162,854	1/2	154,724	1/2	146,017	1/2	130,980	1/2	115,891	1/2	100,777
3/4		3/4	186,153	3/4	178,929	3/4	170,815	3/4	162,685	3/4	154,555	3/4	145,704	3/4	130,666	3/4	115,576	3/4	100,462
1		1	186,117	1	178,760	1	170,646	1	162,515	1	154,385	1	145,390	1	130,352	1	115,261	1	100,147
1/4		1/4	186,080	1/4	178,591	1/4	170,476	1/4	162,346	1/4	154,216	1/4	145,076	1/4	130,037	1/4	114,946	1/4	99,832
1/2		1/2	186,044	1/2	178,423	1/2	170,307	1/2	162,177	1/2	154,046	1/2	144,763	1/2	129,723	1/2	114,632	1/2	99,517
3/4		3/4	185,955	3/4	178,254	3/4	170,138	3/4	162,007	3/4	153,877	3/4	144,449	3/4	129,409	3/4	114,317	3/4	99,202
2		2	185,867	2	178,085	2	169,968	2	161,838	2	153,708	2	144,136	2	129,094	2	114,002	2	98,887
1/4		1/4	185,779	1/4	177,916	1/4	169,799	1/4	161,669	1/4	153,538	1/4	143,822	1/4	128,780	1/4	113,687	1/4	98,572
1/2		1/2	185,690	1/2	177,748	1/2	169,629	1/2	161,499	1/2	153,369	1/2	143,509	1/2	128,466	1/2	113,372	1/2	98,257
3/4		3/4	185,549	3/4	177,579	3/4	169,460	3/4	161,330	3/4	153,199	3/4	143,195	3/4	128,152	3/4	113,057	3/4	97,943
3		3	185,408	3	177,410	3	169,291	3	161,160	3	153,030	3	142,882	3	127,837	3	112,742	3	97,628
1/4		1/4	185,268	1/4	177,241	1/4	169,121	1/4	160,991	1/4	152,861	1/4	142,568	1/4	127,523	1/4	112,428	1/4	97,313
1/2		1/2	185,127	1/2	177,072	1/2	168,952	1/2	160,822	1/2	152,691	1/2	142,255	1/2	127,209	1/2	112,113	1/2	96,998
3/4		3/4	184,961	3/4	176,904	3/4	168,783	3/4	160,652	3/4	152,522	3/4	141,941	3/4	126,894	3/4	111,798	3/4	96,683
4		4	184,795	4	176,735	4	168,613	4	160,483	4	152,353	4	141,628	4	126,580	4	111,483	4	96,368
1/4		1/4	184,630	1/4	176,566	1/4	168,444	1/4	160,313	1/4	152,183	1/4	141,314	1/4	126,266	1/4	111,168	1/4	96,053
1/2		1/2	184,464	1/2	176,397	1/2	168,274	1/2	160,144	1/2	152,014	1/2	141,001	1/2	125,951	1/2	110,853	1/2	95,738
3/4		3/4	184,297	3/4	176,229	3/4	168,105	3/4	159,975	3/4	151,844	3/4	140,687	3/4	125,637	3/4	110,539	3/4	95,423
5		5	184,131	5	176,060	5	167,936	5	159,805	5	151,675	5	140,374	5	125,323	5	110,224	5	95,108
1/4		1/4	183,964	1/4	175,891	1/4	167,766	1/4	159,636	1/4	151,506	1/4	140,060	1/4	125,008	1/4	109,909	1/4	94,793
1/2		1/2	183,797	1/2	175,722	1/2	167,597	1/2	159,467	1/2	151,336	1/2	139,747	1/2	124,694	1/2	109,594	1/2	94,479
3/4		3/4	183,630	3/4	175,554	3/4	167,427	3/4	159,297	3/4	151,167	3/4	139,434	3/4	124,380	3/4	109,279	3/4	94,164
6		6	183,463	6	175,385	6	167,258	6	159,128	6	150,998	6	139,121	6	124,065	6	108,964	6	93,849
1/4		1/4	183,296	1/4	175,216	1/4	167,089	1/4	158,958	1/4	150,828	1/4	138,808	1/4	123,751	1/4	108,649	1/4	93,534
1/2		1/2	183,129	1/2	175,047	1/2	166,919	1/2	158,789	1/2	150,659	1/2	138,495	1/2	123,437	1/2	108,334	1/2	93,219
3/4		3/4	182,962	3/4	174,878	3/4	166,750	3/4	158,620	3/4	150,489	3/4	138,182	3/4	123,123	3/4	108,019	3/4	92,904
7		7	182,794	7	174,710	7	166,581	7	158,450	7	150,320	7	137,869	7	122,808	7	107,705	7	92,589
1/4		1/4	182,627	1/4	174,541	1/4	166,411	1/4	158,281	1/4	150,151	1/4	137,556	1/4	122,494	1/4	107,390	1/4	92,274
1/2		1/2	182,460	1/2	174,372	1/2	166,242	1/2	158,112	1/2	149,981	1/2	137,244	1/2	122,180	1/2	107,075	1/2	91,959
3/4		3/4	182,293	3/4	174,203	3/4	166,072	3/4	157,942	3/4	149,812	3/4	136,931	3/4	121,865	3/4	106,760	3/4	91,644
8		8	182,126	8	174,033	8	165,903	8	157,773	8	149,642	8	136,618	8	121,551	8	106,445	8	91,329
1/4		1/4	181,959	1/4	173,864	1/4	165,734	1/4	157,603	1/4	149,473	1/4	136,305	1/4	121,237	1/4	106,130	1/4	91,015
1/2		1/2	181,792	1/2	173,695	1/2	165,564	1/2	157,434	1/2	149,304	1/2	135,992	1/2	120,922	1/2	105,815	1/2	90,700
3/4		3/4	181,624	3/4	173,525	3/4	165,395	3/4	157,265	3/4	149,134	3/4	135,679	3/4	120,608	3/4	105,500	3/4	90,385
9		9	181,457	9	173,356	9	165,226	9	157,095	9	148,965	9	135,366	9	120,294	9	105,185	9	90,070
1/4		1/4	181,290	1/4	173,186	1/4	165,056	1/4	156,926	1/4	148,796	1/4	135,053	1/4	119,979	1/4	104,870	1/4	89,755
1/2		1/2	181,123	1/2	173,017	1/2	164,887	1/2	156,756	1/2	148,626	1/2	134,741	1/2	119,665	1/2	104,556	1/2	89,440
3/4		3/4	180,954	3/4	172,848	3/4	164,717	3/4	156,587	3/4	148,457	3/4	134,428	3/4	119,351	3/4	104,241	3/4	89,125
10		10	180,785	10	172,678	10	164,548	10	156,418	10	148,287	10	134,115	10	119,036	10	103,926	10	88,810
1/4		1/4	180,617	1/4	172,509	1/4	164,379	1/4	156,248	1/4	148,118	1/4	133,802	1/4	118,722	1/4	103,611	1/4	88,495
1/2		1/2	180,448	1/2	172,340	1/2	164,209	1/2	156,079	1/2	147,949	1/2	133,489	1/2	118,408	1/2	103,296	1/2	88,180
3/4		3/4	180,279	3/4	172,170	3/4	164,040	3/4	155,910	3/4	147,779	3/4	133,176	3/4	118,094	3/4	102,981	3/4	87,866
11		11	180,110	11	172,001	11	163,870	11	155,740	11	147,610	11	132,863	11	117,779	11	102,666	11	87,551
1/4		1/4	179,942	1/4	171,831	1/4	163,701	1/4	155,571	1/4	147,441	1/4	132,550	1/4	117,465	1/4	102,351	1/4	87,236
1/2		1/2	179,773	1/2	171,662	1/2	163,532	1/2	155,401	1/2	147,271	1/2	132,238	1/2	117,151	1/2	102,036	1/2	86,921
3/4		3/4	179,604	3/4	171,493	3/4	163,362	3/4	155,232	3/4	146,958	3/4	131,923	3/4	116,836	3/4	101,721	3/4	86,606

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 381"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,291	0	71,172	0	56,053	0	40,946	0	25,831	0	10,713	0		0		0		0	
1/4	85,976	1/4	70,857	1/4	55,738	1/4	40,632	1/4	25,516	1/4	10,398	1/4		1/4		1/4		1/4	
1/2	85,661	1/2	70,542	1/2	55,423	1/2	40,317	1/2	25,201	1/2	10,083	1/2		1/2		1/2		1/2	
3/4	85,346	3/4	70,227	3/4	55,108	3/4	40,003	3/4	24,886	3/4	9,768	3/4		3/4		3/4		3/4	
1	85,031	1	69,912	1	54,793	1	39,688	1	24,571	1	9,453	1		1		1		1	
1/4	84,716	1/4	69,597	1/4	54,478	1/4	39,373	1/4	24,256	1/4	9,138	1/4		1/4		1/4		1/4	
1/2	84,401	1/2	69,282	1/2	54,163	1/2	39,059	1/2	23,941	1/2	8,823	1/2		1/2		1/2		1/2	
3/4	84,086	3/4	68,967	3/4	53,848	3/4	38,744	3/4	23,626	3/4	8,508	3/4		3/4		3/4		3/4	
2	83,771	2	68,652	2	53,533	2	38,429	2	23,311	2	8,193	2		2		2		2	
1/4	83,456	1/4	68,337	1/4	53,218	1/4	38,115	1/4	22,996	1/4	7,878	1/4		1/4		1/4		1/4	
1/2	83,141	1/2	68,022	1/2	52,903	1/2	37,800	1/2	22,682	1/2	7,563	1/2		1/2		1/2		1/2	
3/4	82,826	3/4	67,707	3/4	52,588	3/4	37,485	3/4	22,367	3/4	7,248	3/4		3/4		3/4		3/4	
3	82,511	3	67,392	3	52,273	3	37,170	3	22,052	3	6,933	3		3		3		3	
1/4	82,196	1/4	67,077	1/4	51,958	1/4	36,855	1/4	21,737	1/4	6,618	1/4		1/4		1/4		1/4	
1/2	81,881	1/2	66,762	1/2	51,643	1/2	36,540	1/2	21,422	1/2	6,303	1/2		1/2		1/2		1/2	
3/4	81,566	3/4	66,447	3/4	51,328	3/4	36,225	3/4	21,107	3/4	5,989	3/4		3/4		3/4		3/4	
4	81,251	4	66,132	4	51,014	4	35,910	4	20,792	4	5,674	4		4		4		4	
1/4	80,936	1/4	65,817	1/4	50,699	1/4	35,595	1/4	20,477	1/4	5,360	1/4		1/4		1/4		1/4	
1/2	80,622	1/2	65,502	1/2	50,384	1/2	35,280	1/2	20,162	1/2	5,045	1/2		1/2		1/2		1/2	
3/4	80,307	3/4	65,187	3/4	50,069	3/4	34,965	3/4	19,847	3/4	4,732	3/4		3/4		3/4		3/4	
5	79,992	5	64,872	5	49,755	5	34,650	5	19,532	5	4,418	5		5		5		5	
1/4	79,677	1/4	64,557	1/4	49,440	1/4	34,335	1/4	19,217	1/4	4,105	1/4		1/4		1/4		1/4	
1/2	79,362	1/2	64,242	1/2	49,125	1/2	34,020	1/2	18,902	1/2	3,791	1/2		1/2		1/2		1/2	
3/4	79,047	3/4	63,928	3/4	48,811	3/4	33,705	3/4	18,587	3/4	3,503	3/4		3/4		3/4		3/4	
6	78,732	6	63,613	6	48,496	6	33,390	6	18,272	6	3,214	6		6		6		6	
1/4	78,417	1/4	63,298	1/4	48,182	1/4	33,075	1/4	17,957	1/4	2,925	1/4		1/4		1/4		1/4	
1/2	78,102	1/2	62,983	1/2	47,867	1/2	32,761	1/2	17,642	1/2	2,637	1/2		1/2		1/2		1/2	
3/4	77,787	3/4	62,668	3/4	47,553	3/4	32,446	3/4	17,327	3/4	2,401	3/4		3/4		3/4		3/4	
7	77,472	7	62,353	7	47,238	7	32,131	7	17,012	7	2,164	7		7		7		7	
1/4	77,157	1/4	62,038	1/4	46,923	1/4	31,816	1/4	16,697	1/4	1,928	1/4		1/4		1/4		1/4	
1/2	76,842	1/2	61,723	1/2	46,609	1/2	31,501	1/2	16,382	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	76,527	3/4	61,408	3/4	46,294	3/4	31,186	3/4	16,067	3/4	1,508	3/4		3/4		3/4		3/4	
8	76,212	8	61,093	8	45,980	8	30,871	8	15,752	8	1,325	8		8		8		8	
1/4	75,897	1/4	60,778	1/4	45,665	1/4	30,556	1/4	15,437	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	75,582	1/2	60,463	1/2	45,350	1/2	30,241	1/2	15,122	1/2	958	1/2		1/2		1/2		1/2	
3/4	75,267	3/4	60,148	3/4	45,036	3/4	29,926	3/4	14,807	3/4		3/4		3/4		3/4		3/4	
9	74,952	9	59,833	9	44,721	9	29,611	9	14,492	9		9		9		9		9	
1/4	74,637	1/4	59,518	1/4	44,407	1/4	29,296	1/4	14,177	1/4		1/4		1/4		1/4		1/4	
1/2	74,322	1/2	59,203	1/2	44,092	1/2	28,981	1/2	13,862	1/2		1/2		1/2		1/2		1/2	
3/4	74,007	3/4	58,888	3/4	43,778	3/4	28,666	3/4	13,547	3/4		3/4		3/4		3/4		3/4	
10	73,692	10	58,573	10	43,463	10	28,351	10	13,232	10		10		10		10		10	
1/4	73,377	1/4	58,258	1/4	43,148	1/4	28,036	1/4	12,917	1/4		1/4		1/4		1/4		1/4	
1/2	73,062	1/2	57,943	1/2	42,834	1/2	27,721	1/2	12,603	1/2		1/2		1/2		1/2		1/2	
3/4	72,747	3/4	57,628	3/4	42,519	3/4	27,406	3/4	12,288	3/4		3/4		3/4		3/4		3/4	
11	72,432	11	57,313	11	42,205	11	27,091	11	11,973	11		11		11		11		11	
1/4	72,117	1/4	56,998	1/4	41,890	1/4	26,776	1/4	11,658	1/4		1/4		1/4		1/4		1/4	
1/2	71,802	1/2	56,683	1/2	41,575	1/2	26,461	1/2	11,343	1/2		1/2		1/2		1/2		1/2	
3/4	71,487	3/4	56,368	3/4	41,261	3/4	26,146	3/4	11,028	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 381"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	178,270	0	170,187	0	162,086	0	153,985	0	145,596	0	130,591	0	115,540	0	100,456
1/4		1/4		1/4	178,102	1/4	170,019	1/4	161,918	1/4	153,816	1/4	145,283	1/4	130,277	1/4	115,226	1/4	100,142
1/2		1/2	184,997	1/2	177,934	1/2	169,850	1/2	161,749	1/2	153,648	1/2	144,970	1/2	129,963	1/2	114,912	1/2	99,827
3/4		3/4	184,961	3/4	177,766	3/4	169,681	3/4	161,580	3/4	153,479	3/4	144,657	3/4	129,650	3/4	114,597	3/4	99,513
1		1	184,925	1	177,597	1	169,512	1	161,411	1	153,310	1	144,344	1	129,336	1	114,283	1	99,199
1/4		1/4	184,889	1/4	177,429	1/4	169,343	1/4	161,242	1/4	153,141	1/4	144,031	1/4	129,022	1/4	113,969	1/4	98,885
1/2		1/2	184,853	1/2	177,261	1/2	169,175	1/2	161,074	1/2	152,973	1/2	143,718	1/2	128,709	1/2	113,655	1/2	98,570
3/4		3/4	184,765	3/4	177,093	3/4	169,006	3/4	160,905	3/4	152,804	3/4	143,406	3/4	128,395	3/4	113,341	3/4	98,256
2		2	184,678	2	176,925	2	168,837	2	160,736	2	152,635	2	143,093	2	128,082	2	113,026	2	97,942
1/4		1/4	184,590	1/4	176,757	1/4	168,668	1/4	160,567	1/4	152,466	1/4	142,780	1/4	127,769	1/4	112,712	1/4	97,628
1/2		1/2	184,502	1/2	176,588	1/2	168,500	1/2	160,399	1/2	152,297	1/2	142,467	1/2	127,455	1/2	112,398	1/2	97,313
3/4		3/4	184,362	3/4	176,420	3/4	168,331	3/4	160,230	3/4	152,129	3/4	142,154	3/4	127,142	3/4	112,084	3/4	96,999
3		3	184,221	3	176,252	3	168,162	3	160,061	3	151,960	3	141,841	3	126,828	3	111,769	3	96,685
1/4		1/4	184,081	1/4	176,084	1/4	167,993	1/4	159,892	1/4	151,791	1/4	141,528	1/4	126,515	1/4	111,455	1/4	96,370
1/2		1/2	183,941	1/2	175,916	1/2	167,825	1/2	159,723	1/2	151,622	1/2	141,215	1/2	126,202	1/2	111,141	1/2	96,056
3/4		3/4	183,776	3/4	175,748	3/4	167,656	3/4	159,555	3/4	151,454	3/4	140,902	3/4	125,888	3/4	110,827	3/4	95,742
4		4	183,611	4	175,579	4	167,487	4	159,386	4	151,285	4	140,589	4	125,575	4	110,513	4	95,428
1/4		1/4	183,446	1/4	175,411	1/4	167,318	1/4	159,217	1/4	151,116	1/4	140,277	1/4	125,262	1/4	110,198	1/4	95,113
1/2		1/2	183,281	1/2	175,243	1/2	167,149	1/2	159,048	1/2	150,947	1/2	139,964	1/2	124,948	1/2	109,884	1/2	94,799
3/4		3/4	183,115	3/4	175,075	3/4	166,981	3/4	158,880	3/4	150,779	3/4	139,651	3/4	124,635	3/4	109,570	3/4	94,485
5		5	182,948	5	174,907	5	166,812	5	158,711	5	150,610	5	139,338	5	124,321	5	109,256	5	94,170
1/4		1/4	182,782	1/4	174,739	1/4	166,643	1/4	158,542	1/4	150,441	1/4	139,025	1/4	124,008	1/4	108,941	1/4	93,856
1/2		1/2	182,616	1/2	174,571	1/2	166,474	1/2	158,373	1/2	150,272	1/2	138,712	1/2	123,695	1/2	108,627	1/2	93,542
3/4		3/4	182,450	3/4	174,402	3/4	166,306	3/4	158,205	3/4	150,103	3/4	138,400	3/4	123,381	3/4	108,313	3/4	93,228
6		6	182,283	6	174,234	6	166,137	6	158,036	6	149,935	6	138,088	6	123,068	6	107,999	6	92,913
1/4		1/4	182,117	1/4	174,066	1/4	165,968	1/4	157,867	1/4	149,766	1/4	137,775	1/4	122,755	1/4	107,684	1/4	92,599
1/2		1/2	181,950	1/2	173,898	1/2	165,799	1/2	157,698	1/2	149,597	1/2	137,463	1/2	122,441	1/2	107,370	1/2	92,285
3/4		3/4	181,784	3/4	173,730	3/4	165,630	3/4	157,529	3/4	149,428	3/4	137,151	3/4	122,128	3/4	107,056	3/4	91,970
7		7	181,617	7	173,562	7	165,462	7	157,361	7	149,260	7	136,839	7	121,815	7	106,742	7	91,656
1/4		1/4	181,451	1/4	173,393	1/4	165,293	1/4	157,192	1/4	149,091	1/4	136,526	1/4	121,501	1/4	106,427	1/4	91,342
1/2		1/2	181,284	1/2	173,225	1/2	165,124	1/2	157,023	1/2	148,922	1/2	136,214	1/2	121,188	1/2	106,113	1/2	91,028
3/4		3/4	181,117	3/4	173,056	3/4	164,955	3/4	156,854	3/4	148,753	3/4	135,902	3/4	120,874	3/4	105,799	3/4	90,713
8		8	180,951	8	172,888	8	164,787	8	156,686	8	148,585	8	135,590	8	120,560	8	105,484	8	90,399
1/4		1/4	180,784	1/4	172,719	1/4	164,618	1/4	156,517	1/4	148,416	1/4	135,277	1/4	120,247	1/4	105,170	1/4	90,085
1/2		1/2	180,618	1/2	172,550	1/2	164,449	1/2	156,348	1/2	148,247	1/2	134,965	1/2	119,933	1/2	104,856	1/2	89,771
3/4		3/4	180,451	3/4	172,381	3/4	164,280	3/4	156,179	3/4	148,078	3/4	134,653	3/4	119,619	3/4	104,542	3/4	89,456
9		9	180,285	9	172,213	9	164,112	9	156,010	9	147,909	9	134,341	9	119,306	9	104,227	9	89,142
1/4		1/4	180,118	1/4	172,044	1/4	163,943	1/4	155,842	1/4	147,741	1/4	134,028	1/4	118,992	1/4	103,913	1/4	88,828
1/2		1/2	179,952	1/2	171,875	1/2	163,774	1/2	155,673	1/2	147,572	1/2	133,716	1/2	118,678	1/2	103,599	1/2	88,513
3/4		3/4	179,784	3/4	171,706	3/4	163,605	3/4	155,504	3/4	147,403	3/4	133,404	3/4	118,365	3/4	103,285	3/4	88,199
10		10	179,615	10	171,538	10	163,436	10	155,335	10	147,234	10	133,092	10	118,051	10	102,970	10	87,885
1/4		1/4	179,447	1/4	171,369	1/4	163,268	1/4	155,167	1/4	147,066	1/4	132,779	1/4	117,737	1/4	102,656	1/4	87,571
1/2		1/2	179,279	1/2	171,200	1/2	163,099	1/2	154,998	1/2	146,897	1/2	132,467	1/2	117,424	1/2	102,342	1/2	87,256
3/4		3/4	179,111	3/4	171,031	3/4	162,930	3/4	154,829	3/4	146,728	3/4	132,155	3/4	117,110	3/4	102,027	3/4	86,942
11		11	178,943	11	170,862	11	162,761	11	154,660	11	146,559	11	131,843	11	116,796	11	101,713	11	86,628
1/4		1/4	178,775	1/4	170,694	1/4	162,593	1/4	154,492	1/4	146,390	1/4	131,530	1/4	116,483	1/4	101,399	1/4	86,313
1/2		1/2	178,606	1/2	170,525	1/2	162,424	1/2	154,323	1/2	146,222	1/2	131,218	1/2	116,169	1/2	101,085	1/2	85,999
3/4		3/4	178,438	3/4	170,356	3/4	162,255	3/4	154,154	3/4	145,909	3/4	130,904	3/4	115,855	3/4	100,770	3/4	85,685

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 381"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,371	0	70,282	0	55,250	0	40,589	0	25,789	0	10,696	0		0		0		0	
1/4	85,056	1/4	69,967	1/4	54,938	1/4	40,288	1/4	25,475	1/4	10,382	1/4		1/4		1/4		1/4	
1/2	84,742	1/2	69,653	1/2	54,626	1/2	39,988	1/2	25,160	1/2	10,067	1/2		1/2		1/2		1/2	
3/4	84,428	3/4	69,339	3/4	54,315	3/4	39,688	3/4	24,846	3/4	9,753	3/4		3/4		3/4		3/4	
1	84,113	1	69,024	1	54,003	1	39,388	1	24,532	1	9,438	1		1		1		1	
1/4	83,799	1/4	68,710	1/4	53,691	1/4	39,087	1/4	24,217	1/4	9,124	1/4		1/4		1/4		1/4	
1/2	83,485	1/2	68,396	1/2	53,379	1/2	38,787	1/2	23,903	1/2	8,809	1/2		1/2		1/2		1/2	
3/4	83,170	3/4	68,081	3/4	53,067	3/4	38,487	3/4	23,588	3/4	8,495	3/4		3/4		3/4		3/4	
2	82,856	2	67,767	2	52,756	2	38,186	2	23,274	2	8,181	2		2		2		2	
1/4	82,542	1/4	67,453	1/4	52,444	1/4	37,886	1/4	22,959	1/4	7,866	1/4		1/4		1/4		1/4	
1/2	82,227	1/2	67,138	1/2	52,132	1/2	37,586	1/2	22,645	1/2	7,552	1/2		1/2		1/2		1/2	
3/4	81,913	3/4	66,824	3/4	51,821	3/4	37,284	3/4	22,330	3/4	7,237	3/4		3/4		3/4		3/4	
3	81,599	3	66,509	3	51,510	3	36,983	3	22,016	3	6,923	3		3		3		3	
1/4	81,284	1/4	66,195	1/4	51,199	1/4	36,681	1/4	21,702	1/4	6,609	1/4		1/4		1/4		1/4	
1/2	80,970	1/2	65,881	1/2	50,888	1/2	36,380	1/2	21,387	1/2	6,294	1/2		1/2		1/2		1/2	
3/4	80,655	3/4	65,566	3/4	50,577	3/4	36,079	3/4	21,073	3/4	5,980	3/4		3/4		3/4		3/4	
4	80,341	4	65,252	4	50,266	4	35,777	4	20,758	4	5,666	4		4		4		4	
1/4	80,027	1/4	64,938	1/4	49,955	1/4	35,476	1/4	20,444	1/4	5,351	1/4		1/4		1/4		1/4	
1/2	79,712	1/2	64,623	1/2	49,644	1/2	35,175	1/2	20,129	1/2	5,037	1/2		1/2		1/2		1/2	
3/4	79,398	3/4	64,309	3/4	49,332	3/4	34,872	3/4	19,815	3/4	4,724	3/4		3/4		3/4		3/4	
5	79,084	5	63,995	5	49,020	5	34,570	5	19,500	5	4,411	5		5		5		5	
1/4	78,769	1/4	63,680	1/4	48,708	1/4	34,267	1/4	19,186	1/4	4,098	1/4		1/4		1/4		1/4	
1/2	78,455	1/2	63,366	1/2	48,395	1/2	33,965	1/2	18,872	1/2	3,785	1/2		1/2		1/2		1/2	
3/4	78,141	3/4	63,052	3/4	48,095	3/4	33,650	3/4	18,557	3/4	3,498	3/4		3/4		3/4		3/4	
6	77,826	6	62,737	6	47,795	6	33,336	6	18,243	6	3,210	6		6		6		6	
1/4	77,512	1/4	62,423	1/4	47,495	1/4	33,021	1/4	17,928	1/4	2,922	1/4		1/4		1/4		1/4	
1/2	77,198	1/2	62,109	1/2	47,194	1/2	32,707	1/2	17,614	1/2	2,635	1/2		1/2		1/2		1/2	
3/4	76,883	3/4	61,797	3/4	46,894	3/4	32,393	3/4	17,299	3/4	2,399	3/4		3/4		3/4		3/4	
7	76,569	7	61,485	7	46,594	7	32,078	7	16,985	7	2,163	7		7		7		7	
1/4	76,254	1/4	61,173	1/4	46,294	1/4	31,764	1/4	16,670	1/4	1,927	1/4		1/4		1/4		1/4	
1/2	75,940	1/2	60,861	1/2	45,993	1/2	31,449	1/2	16,356	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	75,626	3/4	60,550	3/4	45,693	3/4	31,135	3/4	16,042	3/4	1,508	3/4		3/4		3/4		3/4	
8	75,311	8	60,238	8	45,393	8	30,820	8	15,727	8	1,324	8		8		8		8	
1/4	74,997	1/4	59,926	1/4	45,093	1/4	30,506	1/4	15,413	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	74,683	1/2	59,614	1/2	44,792	1/2	30,191	1/2	15,098	1/2	957	1/2		1/2		1/2		1/2	
3/4	74,368	3/4	59,303	3/4	44,492	3/4	29,877	3/4	14,784	3/4		3/4		3/4		3/4		3/4	
9	74,054	9	58,991	9	44,192	9	29,563	9	14,469	9		9		9		9		9	
1/4	73,740	1/4	58,679	1/4	43,891	1/4	29,248	1/4	14,155	1/4		1/4		1/4		1/4		1/4	
1/2	73,425	1/2	58,367	1/2	43,591	1/2	28,934	1/2	13,841	1/2		1/2		1/2		1/2		1/2	
3/4	73,111	3/4	58,056	3/4	43,291	3/4	28,619	3/4	13,526	3/4		3/4		3/4		3/4		3/4	
10	72,797	10	57,744	10	42,991	10	28,305	10	13,212	10		10		10		10		10	
1/4	72,482	1/4	57,432	1/4	42,690	1/4	27,990	1/4	12,897	1/4		1/4		1/4		1/4		1/4	
1/2	72,168	1/2	57,120	1/2	42,390	1/2	27,676	1/2	12,583	1/2		1/2		1/2		1/2		1/2	
3/4	71,854	3/4	56,809	3/4	42,090	3/4	27,361	3/4	12,268	3/4		3/4		3/4		3/4		3/4	
11	71,539	11	56,497	11	41,790	11	27,047	11	11,954	11		11		11		11		11	
1/4	71,225	1/4	56,185	1/4	41,489	1/4	26,733	1/4	11,639	1/4		1/4		1/4		1/4		1/4	
1/2	70,910	1/2	55,873	1/2	41,189	1/2	26,418	1/2	11,325	1/2		1/2		1/2		1/2		1/2	
3/4	70,596	3/4	55,562	3/4	40,889	3/4	26,104	3/4	11,011	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
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