



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
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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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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
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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

<http://www.pmacorp.net>



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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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 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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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

<http://www.pmacorp.net>



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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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 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

<http://www.pmacorp.net>



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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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 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.

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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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

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 INNAE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

March 23, 2013

PRECISION MEASUREMENT
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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

<http://www.pmacorp.net>



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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	3,503	1/4	1/4	1/4	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
<http://www.pmacorp.net>



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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	3,503	1/4	1/4	1/4	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	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	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	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	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	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	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	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	115,705
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

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

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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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
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	179,098	170,984	162,854	154,724	146,017	130,980	115,891	100,777											
3/4	3/4	186,153	178,929	170,815	162,685	154,555	145,704	130,666	115,576	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	178,591	170,476	162,346	154,216	145,076	130,037	114,946	99,832											
1/2	1/2	186,044	178,423	170,307	162,177	154,046	144,763	129,723	114,632	99,517											
3/4	3/4	185,955	178,254	170,138	162,007	153,877	144,449	129,409	114,317	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	177,916	169,799	161,669	153,538	143,822	128,780	113,687	98,572											
1/2	1/2	185,690	177,748	169,629	161,499	153,369	143,509	128,466	113,372	98,257											
3/4	3/4	185,549	177,579	169,460	161,330	153,199	143,195	128,152	113,057	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	177,241	169,121	160,991	152,861	142,568	127,523	112,428	97,313											
1/2	1/2	185,127	177,072	168,952	160,822	152,691	142,255	127,209	112,113	96,998											
3/4	3/4	184,961	176,904	168,783	160,652	152,522	141,941	126,894	111,798	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	176,566	168,444	160,313	152,183	141,314	126,266	111,168	96,053											
1/2	1/2	184,464	176,397	168,274	160,144	152,014	141,001	125,951	110,853	95,738											
3/4	3/4	184,297	176,229	168,105	160,014	151,844	140,687	125,637	110,539	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	175,891	167,766	159,636	151,506	140,060	125,008	109,909	94,793											
1/2	1/2	183,797	175,722	167,597	159,467	151,336	139,747	124,694	109,594	94,479											
3/4	3/4	183,630	175,554	167,427	159,297	151,167	139,434	124,380	109,279	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	175,216	167,089	158,958	150,828	138,808	123,751	108,649	93,534											
1/2	1/2	183,129	175,047	166,919	158,789	150,659	138,495	123,437	108,334	93,219											
3/4	3/4	182,962	174,878	166,750	158,620	150,489	138,182	123,123	108,019	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	174,541	166,411	158,281	150,151	137,556	122,494	107,390	92,274											
1/2	1/2	182,460	174,372	166,242	158,112	149,981	137,244	122,180	107,075	91,959											
3/4	3/4	182,293	174,203	166,072	157,942	149,812	136,931	121,865	106,760	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	173,864	165,734	157,603	149,473	136,305	121,237	106,130	91,015											
1/2	1/2	181,792	173,695	165,564	157,434	149,304	135,992	120,922	105,815	90,700											
3/4	3/4	181,624	173,525	165,395	157,265	149,134	135,679	120,608	105,500	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	173,186	165,056	156,926	148,796	135,053	119,979	104,870	89,755											
1/2	1/2	181,123	173,017	164,887	156,756	148,626	134,741	119,665	104,556	89,440											
3/4	3/4	180,954	172,848	164,717	156,587	148,457	134,428	119,351	104,241	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	172,509	164,379	156,248	148,118	133,802	118,722	103,611	88,495											
1/2	1/2	180,448	172,340	164,209	156,079	147,949	133,489	118,408	103,296	88,180											
3/4	3/4	180,279	172,170	164,040	155,910	147,779	133,176	118,094	102,981	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	171,831	163,701	155,571	147,441	132,550	117,465	102,351	87,236											
1/2	1/2	179,773	171,662	163,532	155,401	147,271	132,238	117,151	102,036	86,921											
3/4	3/4	179,604	171,493	163,362	155,232	146,958	131,923	116,836	101,721	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	5,988	3/4	3/4	3/4	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	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
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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