



BARGE "CBC 320"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 7'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 258'-06"

January 2, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	616	0	15,621	0	31,394	0	47,077	0	62,835	0	78,609	0	94,383	0	110,157	0	125,930	0	141,703
1/4	811	1/4	15,950	1/4	31,723	1/4	47,403	1/4	63,164	1/4	78,938	1/4	94,711	1/4	110,485	1/4	126,259	1/4	142,031
1/2	1,007	1/2	16,278	1/2	32,052	1/2	47,729	1/2	63,493	1/2	79,266	1/2	95,040	1/2	110,814	1/2	126,588	1/2	142,360
3/4	1,202	3/4	16,607	3/4	32,380	3/4	48,055	3/4	63,821	3/4	79,595	3/4	95,369	3/4	111,142	3/4	126,916	3/4	142,688
1	1,397	1	16,936	1	32,709	1	48,380	1	64,150	1	79,924	1	95,697	1	111,471	1	127,245	1	143,017
1/4	1,674	1/4	17,264	1/4	33,037	1/4	48,708	1/4	64,478	1/4	80,252	1/4	96,026	1/4	111,800	1/4	127,573	1/4	143,345
1/2	1,951	1/2	17,593	1/2	33,366	1/2	49,036	1/2	64,807	1/2	80,581	1/2	96,355	1/2	112,128	1/2	127,902	1/2	143,674
3/4	2,228	3/4	17,921	3/4	33,695	3/4	49,364	3/4	65,136	3/4	80,909	3/4	96,683	3/4	112,457	3/4	128,231	3/4	144,002
2	2,506	2	18,250	2	34,023	2	49,692	2	65,464	2	81,238	2	97,012	2	112,786	2	128,559	2	144,331
1/4	2,828	1/4	18,579	1/4	34,352	1/4	50,020	1/4	65,793	1/4	81,567	1/4	97,340	1/4	113,114	1/4	128,888	1/4	144,659
1/2	3,150	1/2	18,907	1/2	34,681	1/2	50,349	1/2	66,121	1/2	81,895	1/2	97,669	1/2	113,443	1/2	129,217	1/2	144,988
3/4	3,472	3/4	19,236	3/4	35,009	3/4	50,677	3/4	66,450	3/4	82,224	3/4	97,998	3/4	113,771	3/4	129,545	3/4	145,317
3	3,794	3	19,564	3	35,338	3	51,005	3	66,779	3	82,552	3	98,326	3	114,100	3	129,874	3	145,645
1/4	4,122	1/4	19,893	1/4	35,665	1/4	51,334	1/4	67,107	1/4	82,881	1/4	98,655	1/4	114,429	1/4	130,202	1/4	145,974
1/2	4,450	1/2	20,222	1/2	35,991	1/2	51,662	1/2	67,436	1/2	83,210	1/2	98,983	1/2	114,757	1/2	130,531	1/2	146,302
3/4	4,778	3/4	20,550	3/4	36,318	3/4	51,991	3/4	67,765	3/4	83,538	3/4	99,312	3/4	115,086	3/4	130,860	3/4	146,631
4	5,106	4	20,879	4	36,645	4	52,319	4	68,093	4	83,867	4	99,641	4	115,414	4	131,188	4	146,959
1/4	5,435	1/4	21,208	1/4	36,972	1/4	52,648	1/4	68,422	1/4	84,196	1/4	99,969	1/4	115,743	1/4	131,517	1/4	147,288
1/2	5,763	1/2	21,536	1/2	37,298	1/2	52,977	1/2	68,750	1/2	84,524	1/2	100,298	1/2	116,072	1/2	131,845	1/2	147,616
3/4	6,092	3/4	21,865	3/4	37,625	3/4	53,305	3/4	69,079	3/4	84,853	3/4	100,627	3/4	116,400	3/4	132,174	3/4	147,945
5	6,420	5	22,193	5	37,952	5	53,634	5	69,408	5	85,181	5	100,955	5	116,729	5	132,503	5	148,273
1/4	6,749	1/4	22,522	1/4	38,278	1/4	53,963	1/4	69,736	1/4	85,510	1/4	101,284	1/4	117,058	1/4	132,831	1/4	148,602
1/2	7,077	1/2	22,851	1/2	38,604	1/2	54,291	1/2	70,065	1/2	85,839	1/2	101,612	1/2	117,386	1/2	133,160	1/2	148,930
3/4	7,406	3/4	23,179	3/4	38,930	3/4	54,620	3/4	70,394	3/4	86,167	3/4	101,941	3/4	117,715	3/4	133,489	3/4	149,259
6	7,734	6	23,508	6	39,256	6	54,948	6	70,722	6	86,496	6	102,270	6	118,043	6	133,817	6	149,588
1/4	8,063	1/4	23,836	1/4	39,581	1/4	55,277	1/4	71,051	1/4	86,825	1/4	102,598	1/4	118,372	1/4	134,146	1/4	149,916
1/2	8,392	1/2	24,165	1/2	39,907	1/2	55,606	1/2	71,379	1/2	87,153	1/2	102,927	1/2	118,701	1/2	134,474	1/2	150,245
3/4	8,720	3/4	24,494	3/4	40,233	3/4	55,934	3/4	71,708	3/4	87,482	3/4	103,256	3/4	119,029	3/4	134,803	3/4	150,573
7	9,049	7	24,822	7	40,559	7	56,263	7	72,037	7	87,810	7	103,584	7	119,358	7	135,132	7	150,902
1/4	9,378	1/4	25,151	1/4	40,885	1/4	56,591	1/4	72,365	1/4	88,139	1/4	103,913	1/4	119,687	1/4	135,460	1/4	151,230
1/2	9,706	1/2	25,479	1/2	41,211	1/2	56,920	1/2	72,694	1/2	88,468	1/2	104,241	1/2	120,015	1/2	135,789	1/2	151,559
3/4	10,035	3/4	25,808	3/4	41,537	3/4	57,249	3/4	73,022	3/4	88,796	3/4	104,570	3/4	120,344	3/4	136,117	3/4	151,887
8	10,363	8	26,137	8	41,863	8	57,577	8	73,351	8	89,125	8	104,899	8	120,672	8	136,446	8	152,216
1/4	10,692	1/4	26,465	1/4	42,189	1/4	57,906	1/4	73,680	1/4	89,453	1/4	105,227	1/4	121,001	1/4	136,774	1/4	152,544
1/2	11,021	1/2	26,794	1/2	42,514	1/2	58,235	1/2	74,008	1/2	89,782	1/2	105,556	1/2	121,330	1/2	137,103	1/2	152,873
3/4	11,349	3/4	27,123	3/4	42,840	3/4	58,563	3/4	74,337	3/4	90,111	3/4	105,884	3/4	121,658	3/4	137,432	3/4	153,202
9	11,678	9	27,451	9	43,166	9	58,892	9	74,666	9	90,439	9	106,213	9	121,987	9	137,760	9	153,530
1/4	12,006	1/4	27,780	1/4	43,492	1/4	59,220	1/4	74,994	1/4	90,768	1/4	106,542	1/4	122,315	1/4	138,089	1/4	153,859
1/2	12,335	1/2	28,108	1/2	43,818	1/2	59,549	1/2	75,323	1/2	91,097	1/2	106,870	1/2	122,644	1/2	138,417	1/2	154,187
3/4	12,664	3/4	28,437	3/4	44,144	3/4	59,878	3/4	75,651	3/4	91,425	3/4	107,199	3/4	122,973	3/4	138,746	3/4	154,516
10	12,992	10	28,766	10	44,470	10	60,206	10	75,980	10	91,754	10	107,528	10	123,301	10	139,074	10	154,844
1/4	13,321	1/4	29,094	1/4	44,796	1/4	60,535	1/4	76,309	1/4	92,082	1/4	107,856	1/4	123,630	1/4	139,403	1/4	155,173
1/2	13,649	1/2	29,423	1/2	45,122	1/2	60,864	1/2	76,637	1/2	92,411	1/2	108,185	1/2	123,959	1/2	139,731	1/2	155,501
3/4	13,978	3/4	29,751	3/4	45,447	3/4	61,192	3/4	76,966	3/4	92,740	3/4	108,513	3/4	124,287	3/4	140,060	3/4	155,830
11	14,307	11	30,080	11	45,773	11	61,521	11	77,295	11	93,068	11	108,842	11	124,616	11	140,388	11	156,158
1/4	14,635	1/4	30,409	1/4	46,099	1/4	61,849	1/4	77,623	1/4	93,397	1/4	109,171	1/4	124,944	1/4	140,717	1/4	156,487
1/2	14,964	1/2	30,737	1/2	46,425	1/2	62,178	1/2	77,952	1/2	93,726	1/2	109,499	1/2	125,273	1/2	141,045	1/2	156,815
3/4	15,293	3/4	31,066	3/4	46,751	3/4	62,507	3/4	78,280	3/4	94,054	3/4	109,828	3/4	125,602	3/4	141,374	3/4	157,144

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 320"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	157,473	0	173,243	0	188,940	0	204,623	0	220,217	0		0		0		0		0	
1/4	157,801	1/4	173,571	1/4	189,267	1/4	204,950	1/4	220,532	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,130	1/2	173,900	1/2	189,594	1/2	205,276	1/2	220,847	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,458	3/4	174,228	3/4	189,921	3/4	205,603	3/4	221,161	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	158,787	1	174,557	1	190,247	1	205,930	1	221,476	1	1	1	1	1	1	1	1	1	1
1/4	159,115	1/4	174,885	1/4	190,574	1/4	206,256	1/4	221,750	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,444	1/2	175,214	1/2	190,901	1/2	206,583	1/2	222,025	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,772	3/4	175,542	3/4	191,227	3/4	206,910	3/4	222,299	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	160,101	2	175,871	2	191,554	2	207,237	2	222,573	2	2	2	2	2	2	2	2	2	2
1/4	160,429	1/4	176,198	1/4	191,881	1/4	207,563	1/4	222,794	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,758	1/2	176,525	1/2	192,208	1/2	207,890	1/2	223,014	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,087	3/4	176,852	3/4	192,534	3/4	208,217	3/4	223,235	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	161,415	3	177,179	3	192,861	3	208,543	3	223,456	3	3	3	3	3	3	3	3	3	3
1/4	161,744	1/4	177,505	1/4	193,188	1/4	208,870	1/4	223,621	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,072	1/2	177,832	1/2	193,514	1/2	209,197	1/2	223,787	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,401	3/4	178,159	3/4	193,841	3/4	209,524	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	162,729	4	178,486	4	194,168	4	209,850	4		4	4	4	4	4	4	4	4	4	4
1/4	163,058	1/4	178,812	1/4	194,495	1/4	210,177	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,386	1/2	179,139	1/2	194,821	1/2	210,504	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,715	3/4	179,466	3/4	195,148	3/4	210,830	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	164,043	5	179,792	5	195,475	5	211,157	5		5	5	5	5	5	5	5	5	5	5
1/4	164,372	1/4	180,119	1/4	195,801	1/4	211,484	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,701	1/2	180,446	1/2	196,128	1/2	211,811	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,029	3/4	180,773	3/4	196,455	3/4	212,137	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	165,358	6	181,099	6	196,782	6	212,464	6		6	6	6	6	6	6	6	6	6	6
1/4	165,686	1/4	181,426	1/4	197,108	1/4	212,791	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,015	1/2	181,753	1/2	197,435	1/2	213,117	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,343	3/4	182,079	3/4	197,762	3/4	213,444	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	166,672	7	182,406	7	198,089	7	213,771	7		7	7	7	7	7	7	7	7	7	7
1/4	167,000	1/4	182,733	1/4	198,415	1/4	214,094	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,329	1/2	183,060	1/2	198,742	1/2	214,418	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,657	3/4	183,386	3/4	199,069	3/4	214,742	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	167,986	8	183,713	8	199,395	8	215,065	8		8	8	8	8	8	8	8	8	8	8
1/4	168,314	1/4	184,040	1/4	199,722	1/4	215,388	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,643	1/2	184,366	1/2	200,049	1/2	215,711	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,972	3/4	184,693	3/4	200,376	3/4	216,034	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	169,300	9	185,020	9	200,702	9	216,357	9		9	9	9	9	9	9	9	9	9	9
1/4	169,629	1/4	185,347	1/4	201,029	1/4	216,680	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	169,957	1/2	185,673	1/2	201,356	1/2	217,002	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	170,286	3/4	186,000	3/4	201,682	3/4	217,325	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	170,614	10	186,327	10	202,009	10	217,648	10		10	10	10	10	10	10	10	10	10	10
1/4	170,943	1/4	186,653	1/4	202,336	1/4	217,969	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	171,271	1/2	186,980	1/2	202,663	1/2	218,291	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	171,600	3/4	187,307	3/4	202,989	3/4	218,613	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	171,928	11	187,634	11	203,316	11	218,935	11		11	11	11	11	11	11	11	11	11	11
1/4	172,257	1/4	187,960	1/4	203,643	1/4	219,255	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	172,586	1/2	188,287	1/2	203,969	1/2	219,576	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	172,914	3/4	188,614	3/4	204,296	3/4	219,897	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: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	616	0	15,625	0	31,402	0	47,140	0	62,911	0	78,689	0	94,466	0	110,244	0	126,021	0	141,797
1/4	812	1/4	15,954	1/4	31,731	1/4	47,468	1/4	63,240	1/4	79,018	1/4	94,795	1/4	110,573	1/4	126,350	1/4	142,126
1/2	1,007	1/2	16,282	1/2	32,059	1/2	47,796	1/2	63,569	1/2	79,346	1/2	95,124	1/2	110,901	1/2	126,679	1/2	142,455
3/4	1,202	3/4	16,611	3/4	32,388	3/4	48,124	3/4	63,898	3/4	79,675	3/4	95,453	3/4	111,230	3/4	127,008	3/4	142,783
1	1,397	1	16,940	1	32,717	1	48,452	1	64,226	1	80,004	1	95,781	1	111,559	1	127,336	1	143,112
1/4	1,674	1/4	17,268	1/4	33,045	1/4	48,780	1/4	64,555	1/4	80,332	1/4	96,110	1/4	111,887	1/4	127,665	1/4	143,441
1/2	1,952	1/2	17,597	1/2	33,373	1/2	49,109	1/2	64,884	1/2	80,661	1/2	96,439	1/2	112,216	1/2	127,994	1/2	143,769
3/4	2,229	3/4	17,926	3/4	33,701	3/4	49,437	3/4	65,212	3/4	80,990	3/4	96,767	3/4	112,545	3/4	128,322	3/4	144,098
2	2,506	2	18,254	2	34,030	2	49,765	2	65,541	2	81,319	2	97,096	2	112,874	2	128,651	2	144,426
1/4	2,828	1/4	18,583	1/4	34,358	1/4	50,094	1/4	65,870	1/4	81,647	1/4	97,425	1/4	113,202	1/4	128,980	1/4	144,755
1/2	3,151	1/2	18,912	1/2	34,686	1/2	50,422	1/2	66,198	1/2	81,976	1/2	97,753	1/2	113,531	1/2	129,308	1/2	145,084
3/4	3,473	3/4	19,240	3/4	35,014	3/4	50,750	3/4	66,527	3/4	82,305	3/4	98,082	3/4	113,860	3/4	129,637	3/4	145,412
3	3,795	3	19,569	3	35,343	3	51,079	3	66,856	3	82,633	3	98,411	3	114,188	3	129,966	3	145,741
1/4	4,123	1/4	19,898	1/4	35,671	1/4	51,407	1/4	67,185	1/4	82,962	1/4	98,740	1/4	114,517	1/4	130,294	1/4	146,069
1/2	4,451	1/2	20,226	1/2	35,999	1/2	51,736	1/2	67,513	1/2	83,291	1/2	99,068	1/2	114,846	1/2	130,623	1/2	146,398
3/4	4,779	3/4	20,555	3/4	36,327	3/4	52,065	3/4	67,842	3/4	83,619	3/4	99,397	3/4	115,174	3/4	130,952	3/4	146,727
4	5,107	4	20,884	4	36,655	4	52,393	4	68,171	4	83,948	4	99,726	4	115,503	4	131,281	4	147,055
1/4	5,436	1/4	21,213	1/4	36,984	1/4	52,722	1/4	68,499	1/4	84,277	1/4	100,054	1/4	115,832	1/4	131,609	1/4	147,384
1/2	5,764	1/2	21,541	1/2	37,312	1/2	53,051	1/2	68,828	1/2	84,606	1/2	100,383	1/2	116,161	1/2	131,938	1/2	147,713
3/4	6,093	3/4	21,870	3/4	37,640	3/4	53,379	3/4	69,157	3/4	84,934	3/4	100,712	3/4	116,489	3/4	132,267	3/4	148,041
5	6,422	5	22,199	5	37,968	5	53,708	5	69,485	5	85,263	5	101,040	5	116,818	5	132,595	5	148,370
1/4	6,750	1/4	22,527	1/4	38,296	1/4	54,037	1/4	69,814	1/4	85,592	1/4	101,369	1/4	117,147	1/4	132,924	1/4	148,698
1/2	7,079	1/2	22,856	1/2	38,623	1/2	54,365	1/2	70,143	1/2	85,920	1/2	101,698	1/2	117,475	1/2	133,253	1/2	149,027
3/4	7,408	3/4	23,185	3/4	38,951	3/4	54,694	3/4	70,472	3/4	86,249	3/4	102,027	3/4	117,804	3/4	133,581	3/4	149,356
6	7,736	6	23,513	6	39,279	6	55,023	6	70,800	6	86,578	6	102,355	6	118,133	6	133,910	6	149,684
1/4	8,065	1/4	23,842	1/4	39,606	1/4	55,351	1/4	71,129	1/4	86,906	1/4	102,684	1/4	118,461	1/4	134,239	1/4	150,013
1/2	8,394	1/2	24,171	1/2	39,934	1/2	55,680	1/2	71,458	1/2	87,235	1/2	103,013	1/2	118,790	1/2	134,568	1/2	150,342
3/4	8,722	3/4	24,499	3/4	40,261	3/4	56,009	3/4	71,786	3/4	87,564	3/4	103,341	3/4	119,119	3/4	134,896	3/4	150,670
7	9,051	7	24,828	7	40,589	7	56,338	7	72,115	7	87,893	7	103,670	7	119,447	7	135,225	7	150,999
1/4	9,380	1/4	25,157	1/4	40,916	1/4	56,666	1/4	72,444	1/4	88,221	1/4	103,999	1/4	119,776	1/4	135,554	1/4	151,327
1/2	9,708	1/2	25,485	1/2	41,244	1/2	56,995	1/2	72,772	1/2	88,550	1/2	104,327	1/2	120,105	1/2	135,882	1/2	151,656
3/4	10,037	3/4	25,814	3/4	41,571	3/4	57,324	3/4	73,101	3/4	88,879	3/4	104,656	3/4	120,434	3/4	136,211	3/4	151,985
8	10,366	8	26,143	8	41,899	8	57,652	8	73,430	8	89,207	8	104,985	8	120,762	8	136,539	8	152,313
1/4	10,694	1/4	26,472	1/4	42,226	1/4	57,981	1/4	73,759	1/4	89,536	1/4	105,313	1/4	121,091	1/4	136,868	1/4	152,642
1/2	11,023	1/2	26,800	1/2	42,554	1/2	58,310	1/2	74,087	1/2	89,865	1/2	105,642	1/2	121,420	1/2	137,197	1/2	152,970
3/4	11,352	3/4	27,129	3/4	42,881	3/4	58,638	3/4	74,416	3/4	90,193	3/4	105,971	3/4	121,748	3/4	137,525	3/4	153,299
9	11,681	9	27,458	9	43,209	9	58,967	9	74,745	9	90,522	9	106,300	9	122,077	9	137,854	9	153,628
1/4	12,009	1/4	27,786	1/4	43,536	1/4	59,296	1/4	75,073	1/4	90,851	1/4	106,628	1/4	122,406	1/4	138,183	1/4	153,956
1/2	12,338	1/2	28,115	1/2	43,864	1/2	59,625	1/2	75,402	1/2	91,179	1/2	106,957	1/2	122,734	1/2	138,511	1/2	154,285
3/4	12,667	3/4	28,444	3/4	44,191	3/4	59,953	3/4	75,731	3/4	91,508	3/4	107,286	3/4	123,063	3/4	138,840	3/4	154,614
10	12,995	10	28,772	10	44,519	10	60,282	10	76,059	10	91,837	10	107,614	10	123,392	10	139,168	10	154,942
1/4	13,324	1/4	29,101	1/4	44,846	1/4	60,611	1/4	76,388	1/4	92,166	1/4	107,943	1/4	123,721	1/4	139,497	1/4	155,271
1/2	13,653	1/2	29,430	1/2	45,174	1/2	60,939	1/2	76,717	1/2	92,494	1/2	108,272	1/2	124,049	1/2	139,826	1/2	155,599
3/4	13,981	3/4	29,758	3/4	45,501	3/4	61,268	3/4	77,045	3/4	92,823	3/4	108,600	3/4	124,378	3/4	140,154	3/4	155,928
11	14,310	11	30,087	11	45,829	11	61,597	11	77,374	11	93,152	11	108,929	11	124,707	11	140,483	11	156,257
1/4	14,639	1/4	30,416	1/4	46,157	1/4	61,925	1/4	77,703	1/4	93,480	1/4	109,258	1/4	125,035	1/4	140,812	1/4	156,585
1/2	14,967	1/2	30,744	1/2	46,485	1/2	62,254	1/2	78,032	1/2	93,809	1/2	109,587	1/2	125,364	1/2	141,140	1/2	156,914
3/4	15,296	3/4	31,073	3/4	46,812	3/4	62,583	3/4	78,360	3/4	94,138	3/4	109,915	3/4	125,693	3/4	141,469	3/4	157,243

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 320"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	157,571	0	173,345	0	189,046	0	204,733	0	220,331	0		0		0		0		0	
1/4	157,900	1/4	173,674	1/4	189,373	1/4	205,059	1/4	220,645	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,228	1/2	174,002	1/2	189,700	1/2	205,386	1/2	220,960	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,557	3/4	174,331	3/4	190,027	3/4	205,713	3/4	221,275	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	158,886	1	174,659	1	190,354	1	206,040	1	221,590	1	1	1	1	1	1	1	1	1	1
1/4	159,214	1/4	174,988	1/4	190,680	1/4	206,367	1/4	221,864	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,543	1/2	175,317	1/2	191,007	1/2	206,693	1/2	222,138	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,871	3/4	175,645	3/4	191,334	3/4	207,020	3/4	222,413	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	160,200	2	175,974	2	191,661	2	207,347	2	222,687	2	2	2	2	2	2	2	2	2	2
1/4	160,529	1/4	176,301	1/4	191,988	1/4	207,674	1/4	222,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,857	1/2	176,628	1/2	192,314	1/2	208,000	1/2	223,128	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,186	3/4	176,955	3/4	192,641	3/4	208,327	3/4	223,349	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	161,515	3	177,282	3	192,968	3	208,654	3	223,570	3	3	3	3	3	3	3	3	3	3
1/4	161,843	1/4	177,609	1/4	193,295	1/4	208,981	1/4	223,736	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,172	1/2	177,936	1/2	193,622	1/2	209,308	1/2	223,902	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,500	3/4	178,262	3/4	193,948	3/4	209,634	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	162,829	4	178,589	4	194,275	4	209,961	4		4	4	4	4	4	4	4	4	4	4
1/4	163,158	1/4	178,916	1/4	194,602	1/4	210,288	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,486	1/2	179,243	1/2	194,929	1/2	210,615	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,815	3/4	179,569	3/4	195,256	3/4	210,942	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	164,144	5	179,896	5	195,582	5	211,268	5		5	5	5	5	5	5	5	5	5	5
1/4	164,472	1/4	180,223	1/4	195,909	1/4	211,595	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,801	1/2	180,550	1/2	196,236	1/2	211,922	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,129	3/4	180,877	3/4	196,563	3/4	212,249	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	165,458	6	181,203	6	196,890	6	212,576	6		6	6	6	6	6	6	6	6	6	6
1/4	165,787	1/4	181,530	1/4	197,216	1/4	212,902	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,115	1/2	181,857	1/2	197,543	1/2	213,229	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,444	3/4	182,184	3/4	197,870	3/4	213,556	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	166,773	7	182,511	7	198,197	7	213,883	7		7	7	7	7	7	7	7	7	7	7
1/4	167,101	1/4	182,837	1/4	198,523	1/4	214,206	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,430	1/2	183,164	1/2	198,850	1/2	214,530	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,758	3/4	183,491	3/4	199,177	3/4	214,854	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	168,087	8	183,818	8	199,504	8	215,178	8		8	8	8	8	8	8	8	8	8	8
1/4	168,416	1/4	184,145	1/4	199,831	1/4	215,501	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,744	1/2	184,471	1/2	200,157	1/2	215,824	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,073	3/4	184,798	3/4	200,484	3/4	216,147	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	169,401	9	185,125	9	200,811	9	216,470	9		9	9	9	9	9	9	9	9	9	9
1/4	169,730	1/4	185,452	1/4	201,138	1/4	216,793	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	170,059	1/2	185,779	1/2	201,465	1/2	217,115	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	170,387	3/4	186,105	3/4	201,791	3/4	217,438	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	170,716	10	186,432	10	202,118	10	217,760	10		10	10	10	10	10	10	10	10	10	10
1/4	171,045	1/4	186,759	1/4	202,445	1/4	218,082	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	171,373	1/2	187,086	1/2	202,772	1/2	218,404	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	171,702	3/4	187,413	3/4	203,099	3/4	218,726	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	172,030	11	187,739	11	203,425	11	219,048	11		11	11	11	11	11	11	11	11	11	11
1/4	172,359	1/4	188,066	1/4	203,752	1/4	219,369	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	172,688	1/2	188,393	1/2	204,079	1/2	219,689	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	173,016	3/4	188,720	3/4	204,406	3/4	220,010	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.

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PRINTED: 01/07/2014 SW

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ALL PRIOR TO 01/2014

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<http://www.pmacorp.net>



BARGE "CBC 320"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	602	0	15,240	0	30,627	0	45,835	0	61,143	0	76,531	0	91,919	0	107,307	0	122,695	0	138,082
1/4	792	1/4	15,560	1/4	30,948	1/4	46,149	1/4	61,464	1/4	76,852	1/4	92,240	1/4	107,628	1/4	123,016	1/4	138,402
1/2	982	1/2	15,881	1/2	31,268	1/2	46,463	1/2	61,784	1/2	77,172	1/2	92,560	1/2	107,948	1/2	123,336	1/2	138,723
3/4	1,173	3/4	16,201	3/4	31,589	3/4	46,777	3/4	62,105	3/4	77,493	3/4	92,881	3/4	108,269	3/4	123,657	3/4	139,043
1	1,363	1	16,522	1	31,909	1	47,091	1	62,426	1	77,814	1	93,202	1	108,590	1	123,978	1	139,364
1/4	1,633	1/4	16,842	1/4	32,230	1/4	47,405	1/4	62,746	1/4	78,134	1/4	93,522	1/4	108,910	1/4	124,298	1/4	139,684
1/2	1,904	1/2	17,163	1/2	32,551	1/2	47,719	1/2	63,067	1/2	78,455	1/2	93,843	1/2	109,231	1/2	124,619	1/2	140,005
3/4	2,174	3/4	17,484	3/4	32,871	3/4	48,034	3/4	63,387	3/4	78,775	3/4	94,163	3/4	109,551	3/4	124,939	3/4	140,325
2	2,445	2	17,804	2	33,192	2	48,348	2	63,708	2	79,096	2	94,484	2	109,872	2	125,260	2	140,646
1/4	2,759	1/4	18,125	1/4	33,512	1/4	48,662	1/4	64,029	1/4	79,416	1/4	94,804	1/4	110,192	1/4	125,580	1/4	140,966
1/2	3,073	1/2	18,445	1/2	33,833	1/2	48,977	1/2	64,349	1/2	79,737	1/2	95,125	1/2	110,513	1/2	125,901	1/2	141,287
3/4	3,387	3/4	18,766	3/4	34,153	3/4	49,291	3/4	64,670	3/4	80,058	3/4	95,446	3/4	110,834	3/4	126,222	3/4	141,607
3	3,702	3	19,086	3	34,474	3	49,605	3	64,990	3	80,378	3	95,766	3	111,154	3	126,542	3	141,928
1/4	4,022	1/4	19,407	1/4	34,795	1/4	49,925	1/4	65,311	1/4	80,699	1/4	96,087	1/4	111,475	1/4	126,863	1/4	142,248
1/2	4,342	1/2	19,728	1/2	35,115	1/2	50,245	1/2	65,631	1/2	81,019	1/2	96,407	1/2	111,795	1/2	127,183	1/2	142,569
3/4	4,662	3/4	20,048	3/4	35,436	3/4	50,565	3/4	65,952	3/4	81,340	3/4	96,728	3/4	112,116	3/4	127,504	3/4	142,889
4	4,982	4	20,369	4	35,756	4	50,885	4	66,273	4	81,661	4	97,049	4	112,437	4	127,825	4	143,210
1/4	5,302	1/4	20,689	1/4	36,077	1/4	51,205	1/4	66,593	1/4	81,981	1/4	97,369	1/4	112,757	1/4	128,145	1/4	143,530
1/2	5,623	1/2	21,010	1/2	36,397	1/2	51,526	1/2	66,914	1/2	82,302	1/2	97,690	1/2	113,078	1/2	128,466	1/2	143,851
3/4	5,943	3/4	21,330	3/4	36,718	3/4	51,846	3/4	67,234	3/4	82,622	3/4	98,010	3/4	113,398	3/4	128,786	3/4	144,171
5	6,264	5	21,651	5	37,039	5	52,167	5	67,555	5	82,943	5	98,331	5	113,719	5	129,107	5	144,492
1/4	6,584	1/4	21,972	1/4	37,353	1/4	52,488	1/4	67,876	1/4	83,263	1/4	98,651	1/4	114,039	1/4	129,427	1/4	144,812
1/2	6,905	1/2	22,292	1/2	37,668	1/2	52,808	1/2	68,196	1/2	83,584	1/2	98,972	1/2	114,360	1/2	129,748	1/2	145,133
3/4	7,225	3/4	22,613	3/4	37,983	3/4	53,129	3/4	68,517	3/4	83,905	3/4	99,293	3/4	114,681	3/4	130,069	3/4	145,453
6	7,546	6	22,933	6	38,298	6	53,449	6	68,837	6	84,225	6	99,613	6	115,001	6	130,389	6	145,774
1/4	7,866	1/4	23,254	1/4	38,612	1/4	53,770	1/4	69,158	1/4	84,546	1/4	99,934	1/4	115,322	1/4	130,710	1/4	146,094
1/2	8,187	1/2	23,574	1/2	38,926	1/2	54,090	1/2	69,478	1/2	84,866	1/2	100,254	1/2	115,642	1/2	131,030	1/2	146,415
3/4	8,508	3/4	23,895	3/4	39,240	3/4	54,411	3/4	69,799	3/4	85,187	3/4	100,575	3/4	115,963	3/4	131,351	3/4	146,735
7	8,828	7	24,216	7	39,554	7	54,732	7	70,120	7	85,508	7	100,896	7	116,284	7	131,672	7	147,056
1/4	9,149	1/4	24,536	1/4	39,868	1/4	55,052	1/4	70,440	1/4	85,828	1/4	101,216	1/4	116,604	1/4	131,992	1/4	147,376
1/2	9,469	1/2	24,857	1/2	40,182	1/2	55,373	1/2	70,761	1/2	86,149	1/2	101,537	1/2	116,925	1/2	132,313	1/2	147,697
3/4	9,790	3/4	25,177	3/4	40,496	3/4	55,693	3/4	71,081	3/4	86,469	3/4	101,857	3/4	117,245	3/4	132,633	3/4	148,017
8	10,110	8	25,498	8	40,810	8	56,014	8	71,402	8	86,790	8	102,178	8	117,566	8	132,954	8	148,338
1/4	10,431	1/4	25,819	1/4	41,124	1/4	56,335	1/4	71,723	1/4	87,110	1/4	102,498	1/4	117,886	1/4	133,274	1/4	148,658
1/2	10,752	1/2	26,139	1/2	41,438	1/2	56,655	1/2	72,043	1/2	87,431	1/2	102,819	1/2	118,207	1/2	133,595	1/2	148,979
3/4	11,072	3/4	26,460	3/4	41,752	3/4	56,976	3/4	72,364	3/4	87,752	3/4	103,140	3/4	118,528	3/4	133,915	3/4	149,299
9	11,393	9	26,780	9	42,066	9	57,296	9	72,684	9	88,072	9	103,460	9	118,848	9	134,236	9	149,620
1/4	11,713	1/4	27,101	1/4	42,380	1/4	57,617	1/4	73,005	1/4	88,393	1/4	103,781	1/4	119,169	1/4	134,556	1/4	149,940
1/2	12,034	1/2	27,421	1/2	42,694	1/2	57,937	1/2	73,325	1/2	88,713	1/2	104,101	1/2	119,489	1/2	134,877	1/2	150,261
3/4	12,354	3/4	27,742	3/4	43,008	3/4	58,258	3/4	73,646	3/4	89,034	3/4	104,422	3/4	119,810	3/4	135,197	3/4	150,581
10	12,675	10	28,063	10	43,322	10	58,579	10	73,967	10	89,355	10	104,743	10	120,131	10	135,518	10	150,902
1/4	12,996	1/4	28,383	1/4	43,636	1/4	58,899	1/4	74,287	1/4	89,675	1/4	105,063	1/4	120,451	1/4	135,838	1/4	151,222
1/2	13,316	1/2	28,704	1/2	43,950	1/2	59,220	1/2	74,608	1/2	89,996	1/2	105,384	1/2	120,772	1/2	136,159	1/2	151,543
3/4	13,637	3/4	29,024	3/4	44,264	3/4	59,540	3/4	74,928	3/4	90,317	3/4	105,704	3/4	121,092	3/4	136,479	3/4	151,863
11	13,957	11	29,345	11	44,578	11	59,861	11	75,249	11	90,637	11	106,025	11	121,413	11	136,800	11	152,184
1/4	14,278	1/4	29,665	1/4	44,892	1/4	60,182	1/4	75,570	1/4	90,957	1/4	106,345	1/4	121,733	1/4	137,120	1/4	152,504
1/2	14,598	1/2	29,986	1/2	45,206	1/2	60,502	1/2	75,890	1/2	91,278	1/2	106,666	1/2	122,054	1/2	137,441	1/2	152,825
3/4	14,919	3/4	30,307	3/4	45,521	3/4	60,823	3/4	76,211	3/4	91,599	3/4	106,987	3/4	122,375	3/4	137,761	3/4	153,145

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	153,466	0	168,850	0	184,162	0	199,459	0	214,668	0		0		0		0		0	
1/4	153,786	1/4	169,171	1/4	184,481	1/4	199,778	1/4	214,975	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,107	1/2	169,491	1/2	184,800	1/2	200,096	1/2	215,282	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,427	3/4	169,812	3/4	185,118	3/4	200,415	3/4	215,589	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	154,748	1	170,132	1	185,437	1	200,734	1	215,896	1	1	1	1	1	1	1	1	1	1
1/4	155,068	1/4	170,453	1/4	185,756	1/4	201,052	1/4	216,163	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,389	1/2	170,773	1/2	186,074	1/2	201,371	1/2	216,431	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,709	3/4	171,094	3/4	186,393	3/4	201,690	3/4	216,698	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,030	2	171,414	2	186,712	2	202,008	2	216,966	2	2	2	2	2	2	2	2	2	2
1/4	156,350	1/4	171,733	1/4	187,030	1/4	202,327	1/4	217,181	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,671	1/2	172,052	1/2	187,349	1/2	202,646	1/2	217,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,991	3/4	172,371	3/4	187,668	3/4	202,965	3/4	217,611	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,312	3	172,690	3	187,987	3	203,283	3	217,826	3	3	3	3	3	3	3	3	3	3
1/4	157,633	1/4	173,009	1/4	188,305	1/4	203,602	1/4	217,988	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,953	1/2	173,327	1/2	188,624	1/2	203,921	1/2	218,149	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,274	3/4	173,646	3/4	188,943	3/4	204,239	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,594	4	173,965	4	189,261	4	204,558	4		4	4	4	4	4	4	4	4	4	4
1/4	158,915	1/4	174,283	1/4	189,580	1/4	204,877	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,235	1/2	174,602	1/2	189,899	1/2	205,195	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,556	3/4	174,921	3/4	190,217	3/4	205,514	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	159,876	5	175,239	5	190,536	5	205,833	5		5	5	5	5	5	5	5	5	5	5
1/4	160,197	1/4	175,558	1/4	190,855	1/4	206,151	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,517	1/2	175,877	1/2	191,173	1/2	206,470	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,838	3/4	176,195	3/4	191,492	3/4	206,789	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,158	6	176,514	6	191,811	6	207,107	6		6	6	6	6	6	6	6	6	6	6
1/4	161,479	1/4	176,833	1/4	192,129	1/4	207,426	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,799	1/2	177,151	1/2	192,448	1/2	207,745	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,120	3/4	177,470	3/4	192,767	3/4	208,063	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,440	7	177,789	7	193,085	7	208,382	7		7	7	7	7	7	7	7	7	7	7
1/4	162,761	1/4	178,107	1/4	193,404	1/4	208,698	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,081	1/2	178,426	1/2	193,723	1/2	209,013	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,402	3/4	178,745	3/4	194,041	3/4	209,329	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,722	8	179,063	8	194,360	8	209,644	8		8	8	8	8	8	8	8	8	8	8
1/4	164,043	1/4	179,382	1/4	194,679	1/4	209,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,363	1/2	179,701	1/2	194,997	1/2	210,274	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,684	3/4	180,020	3/4	195,316	3/4	210,589	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,004	9	180,338	9	195,635	9	210,904	9		9	9	9	9	9	9	9	9	9	9
1/4	165,325	1/4	180,657	1/4	195,954	1/4	211,219	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,645	1/2	180,976	1/2	196,272	1/2	211,533	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,966	3/4	181,294	3/4	196,591	3/4	211,848	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,286	10	181,613	10	196,910	10	212,163	10		10	10	10	10	10	10	10	10	10	10
1/4	166,607	1/4	181,932	1/4	197,228	1/4	212,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,927	1/2	182,250	1/2	197,547	1/2	212,790	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,248	3/4	182,569	3/4	197,866	3/4	213,104	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	167,568	11	182,888	11	198,184	11	213,418	11		11	11	11	11	11	11	11	11	11	11
1/4	167,889	1/4	183,206	1/4	198,503	1/4	213,730	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,209	1/2	183,525	1/2	198,822	1/2	214,043	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,530	3/4	183,844	3/4	199,140	3/4	214,356	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: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 320"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	602	0	15,236	0	30,620	0	45,718	0	61,050	0	76,434	0	91,818	0	107,202	0	122,587	0	137,969
1/4	792	1/4	15,556	1/4	30,940	1/4	46,030	1/4	61,370	1/4	76,754	1/4	92,139	1/4	107,523	1/4	122,907	1/4	138,290
1/2	982	1/2	15,877	1/2	31,261	1/2	46,342	1/2	61,691	1/2	77,075	1/2	92,459	1/2	107,843	1/2	123,228	1/2	138,610
3/4	1,172	3/4	16,197	3/4	31,581	3/4	46,654	3/4	62,011	3/4	77,395	3/4	92,780	3/4	108,164	3/4	123,548	3/4	138,931
1	1,363	1	16,518	1	31,902	1	46,967	1	62,332	1	77,716	1	93,100	1	108,484	1	123,869	1	139,251
1/4	1,633	1/4	16,838	1/4	32,222	1/4	47,285	1/4	62,652	1/4	78,036	1/4	93,421	1/4	108,805	1/4	124,189	1/4	139,572
1/2	1,903	1/2	17,159	1/2	32,543	1/2	47,602	1/2	62,973	1/2	78,357	1/2	93,741	1/2	109,125	1/2	124,510	1/2	139,892
3/4	2,174	3/4	17,479	3/4	32,863	3/4	47,920	3/4	63,293	3/4	78,677	3/4	94,062	3/4	109,446	3/4	124,830	3/4	140,212
2	2,444	2	17,800	2	33,184	2	48,238	2	63,614	2	78,998	2	94,382	2	109,766	2	125,151	2	140,533
1/4	2,758	1/4	18,120	1/4	33,504	1/4	48,557	1/4	63,934	1/4	79,318	1/4	94,703	1/4	110,087	1/4	125,471	1/4	140,853
1/2	3,072	1/2	18,441	1/2	33,825	1/2	48,875	1/2	64,255	1/2	79,639	1/2	95,023	1/2	110,407	1/2	125,792	1/2	141,174
3/4	3,387	3/4	18,761	3/4	34,145	3/4	49,194	3/4	64,575	3/4	79,959	3/4	95,344	3/4	110,728	3/4	126,112	3/4	141,494
3	3,701	3	19,082	3	34,466	3	49,512	3	64,896	3	80,280	3	95,664	3	111,048	3	126,433	3	141,815
1/4	4,021	1/4	19,402	1/4	34,780	1/4	49,833	1/4	65,216	1/4	80,600	1/4	95,985	1/4	111,369	1/4	126,753	1/4	142,135
1/2	4,341	1/2	19,723	1/2	35,094	1/2	50,153	1/2	65,537	1/2	80,921	1/2	96,305	1/2	111,689	1/2	127,074	1/2	142,455
3/4	4,661	3/4	20,043	3/4	35,407	3/4	50,473	3/4	65,857	3/4	81,241	3/4	96,626	3/4	112,010	3/4	127,394	3/4	142,776
4	4,980	4	20,364	4	35,721	4	50,793	4	66,178	4	81,562	4	96,946	4	112,331	4	127,715	4	143,096
1/4	5,301	1/4	20,684	1/4	36,034	1/4	51,114	1/4	66,498	1/4	81,882	1/4	97,267	1/4	112,651	1/4	128,035	1/4	143,417
1/2	5,621	1/2	21,005	1/2	36,347	1/2	51,434	1/2	66,819	1/2	82,203	1/2	97,587	1/2	112,972	1/2	128,356	1/2	143,737
3/4	5,942	3/4	21,325	3/4	36,660	3/4	51,755	3/4	67,139	3/4	82,523	3/4	97,908	3/4	113,292	3/4	128,676	3/4	144,058
5	6,262	5	21,646	5	36,973	5	52,075	5	67,460	5	82,844	5	98,228	5	113,613	5	128,997	5	144,378
1/4	6,582	1/4	21,966	1/4	37,286	1/4	52,396	1/4	67,780	1/4	83,165	1/4	98,549	1/4	113,933	1/4	129,317	1/4	144,698
1/2	6,903	1/2	22,287	1/2	37,598	1/2	52,716	1/2	68,101	1/2	83,485	1/2	98,869	1/2	114,254	1/2	129,638	1/2	145,019
3/4	7,223	3/4	22,607	3/4	37,910	3/4	53,037	3/4	68,421	3/4	83,806	3/4	99,190	3/4	114,574	3/4	129,958	3/4	145,339
6	7,544	6	22,928	6	38,223	6	53,357	6	68,742	6	84,126	6	99,510	6	114,895	6	130,279	6	145,660
1/4	7,864	1/4	23,248	1/4	38,535	1/4	53,678	1/4	69,062	1/4	84,447	1/4	99,831	1/4	115,215	1/4	130,599	1/4	145,980
1/2	8,185	1/2	23,569	1/2	38,847	1/2	53,999	1/2	69,383	1/2	84,767	1/2	100,151	1/2	115,536	1/2	130,920	1/2	146,301
3/4	8,505	3/4	23,889	3/4	39,160	3/4	54,319	3/4	69,703	3/4	85,088	3/4	100,472	3/4	115,856	3/4	131,240	3/4	146,621
7	8,826	7	24,210	7	39,472	7	54,640	7	70,024	7	85,408	7	100,792	7	116,177	7	131,561	7	146,941
1/4	9,146	1/4	24,530	1/4	39,784	1/4	54,960	1/4	70,344	1/4	85,729	1/4	101,113	1/4	116,497	1/4	131,881	1/4	147,262
1/2	9,467	1/2	24,851	1/2	40,097	1/2	55,281	1/2	70,665	1/2	86,049	1/2	101,433	1/2	116,818	1/2	132,202	1/2	147,582
3/4	9,787	3/4	25,171	3/4	40,409	3/4	55,601	3/4	70,985	3/4	86,370	3/4	101,754	3/4	117,138	3/4	132,522	3/4	147,903
8	10,108	8	25,492	8	40,721	8	55,922	8	71,306	8	86,690	8	102,074	8	117,459	8	132,843	8	148,223
1/4	10,428	1/4	25,812	1/4	41,033	1/4	56,242	1/4	71,626	1/4	87,011	1/4	102,395	1/4	117,779	1/4	133,163	1/4	148,544
1/2	10,749	1/2	26,133	1/2	41,346	1/2	56,563	1/2	71,947	1/2	87,331	1/2	102,715	1/2	118,100	1/2	133,483	1/2	148,864
3/4	11,069	3/4	26,453	3/4	41,658	3/4	56,883	3/4	72,267	3/4	87,652	3/4	103,036	3/4	118,420	3/4	133,804	3/4	149,184
9	11,390	9	26,774	9	41,970	9	57,204	9	72,588	9	87,972	9	103,356	9	118,741	9	134,124	9	149,505
1/4	11,710	1/4	27,094	1/4	42,283	1/4	57,524	1/4	72,908	1/4	88,293	1/4	103,677	1/4	119,061	1/4	134,445	1/4	149,825
1/2	12,031	1/2	27,415	1/2	42,595	1/2	57,845	1/2	73,229	1/2	88,613	1/2	103,997	1/2	119,382	1/2	134,765	1/2	150,146
3/4	12,351	3/4	27,735	3/4	42,907	3/4	58,165	3/4	73,549	3/4	88,934	3/4	104,318	3/4	119,702	3/4	135,086	3/4	150,466
10	12,672	10	28,056	10	43,219	10	58,486	10	73,870	10	89,254	10	104,638	10	120,023	10	135,406	10	150,787
1/4	12,992	1/4	28,376	1/4	43,532	1/4	58,806	1/4	74,190	1/4	89,575	1/4	104,959	1/4	120,343	1/4	135,726	1/4	151,107
1/2	13,313	1/2	28,697	1/2	43,844	1/2	59,127	1/2	74,511	1/2	89,895	1/2	105,279	1/2	120,664	1/2	136,047	1/2	151,427
3/4	13,633	3/4	29,017	3/4	44,156	3/4	59,447	3/4	74,831	3/4	90,216	3/4	105,600	3/4	120,984	3/4	136,367	3/4	151,748
11	13,954	11	29,338	11	44,468	11	59,768	11	75,152	11	90,536	11	105,920	11	121,305	11	136,688	11	152,068
1/4	14,274	1/4	29,658	1/4	44,781	1/4	60,088	1/4	75,472	1/4	90,857	1/4	106,241	1/4	121,625	1/4	137,008	1/4	152,389
1/2	14,595	1/2	29,979	1/2	45,093	1/2	60,409	1/2	75,793	1/2	91,177	1/2	106,561	1/2	121,946	1/2	137,329	1/2	152,709
3/4	14,915	3/4	30,299	3/4	45,405	3/4	60,729	3/4	76,113	3/4	91,498	3/4	106,882	3/4	122,266	3/4	137,649	3/4	153,030

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 320"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	153,350	0	168,730	0	184,039	0	199,332	0	214,537	0		0		0		0		0	
1/4	153,670	1/4	169,051	1/4	184,358	1/4	199,650	1/4	214,844	1/4		1/4		1/4		1/4		1/4	
1/2	153,991	1/2	169,371	1/2	184,676	1/2	199,969	1/2	215,151	1/2		1/2		1/2		1/2		1/2	
3/4	154,311	3/4	169,692	3/4	184,995	3/4	200,288	3/4	215,458	3/4		3/4		3/4		3/4		3/4	
1	154,632	1	170,012	1	185,313	1	200,606	1	215,765	1		1		1		1		1	
1/4	154,952	1/4	170,333	1/4	185,632	1/4	200,925	1/4	216,032	1/4		1/4		1/4		1/4		1/4	
1/2	155,273	1/2	170,653	1/2	185,951	1/2	201,243	1/2	216,299	1/2		1/2		1/2		1/2		1/2	
3/4	155,593	3/4	170,973	3/4	186,269	3/4	201,562	3/4	216,567	3/4		3/4		3/4		3/4		3/4	
2	155,913	2	171,294	2	186,588	2	201,881	2	216,834	2		2		2		2		2	
1/4	156,234	1/4	171,613	1/4	186,906	1/4	202,199	1/4	217,049	1/4		1/4		1/4		1/4		1/4	
1/2	156,554	1/2	171,932	1/2	187,225	1/2	202,518	1/2	217,264	1/2		1/2		1/2		1/2		1/2	
3/4	156,875	3/4	172,250	3/4	187,544	3/4	202,837	3/4	217,479	3/4		3/4		3/4		3/4		3/4	
3	157,195	3	172,569	3	187,862	3	203,155	3	217,694	3		3		3		3		3	
1/4	157,515	1/4	172,888	1/4	188,181	1/4	203,474	1/4	217,856	1/4		1/4		1/4		1/4		1/4	
1/2	157,836	1/2	173,206	1/2	188,499	1/2	203,792	1/2	218,018	1/2		1/2		1/2		1/2		1/2	
3/4	158,156	3/4	173,525	3/4	188,818	3/4	204,111	3/4		3/4		3/4		3/4		3/4		3/4	
4	158,477	4	173,844	4	189,137	4	204,430	4		4		4		4		4		4	
1/4	158,797	1/4	174,162	1/4	189,455	1/4	204,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,118	1/2	174,481	1/2	189,774	1/2	205,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,438	3/4	174,799	3/4	190,092	3/4	205,385	3/4		3/4		3/4		3/4		3/4		3/4	
5	159,758	5	175,118	5	190,411	5	205,704	5		5		5		5		5		5	
1/4	160,079	1/4	175,437	1/4	190,730	1/4	206,023	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,399	1/2	175,755	1/2	191,048	1/2	206,341	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,720	3/4	176,074	3/4	191,367	3/4	206,660	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,040	6	176,392	6	191,685	6	206,978	6		6		6		6		6		6	
1/4	161,361	1/4	176,711	1/4	192,004	1/4	207,297	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,681	1/2	177,030	1/2	192,323	1/2	207,616	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,001	3/4	177,348	3/4	192,641	3/4	207,934	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,322	7	177,667	7	192,960	7	208,253	7		7		7		7		7		7	
1/4	162,642	1/4	177,985	1/4	193,278	1/4	208,568	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,963	1/2	178,304	1/2	193,597	1/2	208,884	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,283	3/4	178,623	3/4	193,916	3/4	209,199	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,604	8	178,941	8	194,234	8	209,515	8		8		8		8		8		8	
1/4	163,924	1/4	179,260	1/4	194,553	1/4	209,830	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,244	1/2	179,578	1/2	194,871	1/2	210,145	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,565	3/4	179,897	3/4	195,190	3/4	210,460	3/4		3/4		3/4		3/4		3/4		3/4	
9	164,885	9	180,216	9	195,509	9	210,774	9		9		9		9		9		9	
1/4	165,206	1/4	180,534	1/4	195,827	1/4	211,089	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,526	1/2	180,853	1/2	196,146	1/2	211,403	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,847	3/4	181,171	3/4	196,464	3/4	211,718	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,167	10	181,490	10	196,783	10	212,032	10		10		10		10		10		10	
1/4	166,487	1/4	181,809	1/4	197,102	1/4	212,346	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,808	1/2	182,127	1/2	197,420	1/2	212,660	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,128	3/4	182,446	3/4	197,739	3/4	212,974	3/4		3/4		3/4		3/4		3/4		3/4	
11	167,449	11	182,765	11	198,057	11	213,287	11		11		11		11		11		11	
1/4	167,769	1/4	183,083	1/4	198,376	1/4	213,600	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,090	1/2	183,402	1/2	198,695	1/2	213,912	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,410	3/4	183,720	3/4	199,013	3/4	214,225	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 320"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	611	0	15,474	0	31,090	0	46,433	0	61,850	0	77,433	0	93,013	0	108,544	0	124,112	0	139,682
1/4	804	1/4	15,799	1/4	31,415	1/4	46,749	1/4	62,175	1/4	77,757	1/4	93,337	1/4	108,868	1/4	124,436	1/4	140,007
1/2	997	1/2	16,125	1/2	31,739	1/2	47,065	1/2	62,499	1/2	78,082	1/2	93,660	1/2	109,192	1/2	124,760	1/2	140,331
3/4	1,190	3/4	16,450	3/4	32,064	3/4	47,381	3/4	62,824	3/4	78,407	3/4	93,984	3/4	109,516	3/4	125,085	3/4	140,655
1	1,384	1	16,776	1	32,388	1	47,697	1	63,149	1	78,731	1	94,307	1	109,840	1	125,409	1	140,980
1/4	1,658	1/4	17,101	1/4	32,713	1/4	48,014	1/4	63,473	1/4	79,056	1/4	94,631	1/4	110,164	1/4	125,734	1/4	141,304
1/2	1,933	1/2	17,427	1/2	33,037	1/2	48,330	1/2	63,798	1/2	79,381	1/2	94,954	1/2	110,488	1/2	126,058	1/2	141,628
3/4	2,207	3/4	17,752	3/4	33,362	3/4	48,647	3/4	64,123	3/4	79,705	3/4	95,278	3/4	110,813	3/4	126,382	3/4	141,953
2	2,482	2	18,078	2	33,686	2	48,963	2	64,447	2	80,030	2	95,601	2	111,137	2	126,707	2	142,277
1/4	2,801	1/4	18,403	1/4	34,011	1/4	49,280	1/4	64,772	1/4	80,355	1/4	95,925	1/4	111,461	1/4	127,031	1/4	142,602
1/2	3,120	1/2	18,729	1/2	34,335	1/2	49,596	1/2	65,097	1/2	80,679	1/2	96,249	1/2	111,785	1/2	127,356	1/2	142,926
3/4	3,439	3/4	19,054	3/4	34,660	3/4	49,912	3/4	65,421	3/4	81,004	3/4	96,572	3/4	112,109	3/4	127,680	3/4	143,250
3	3,758	3	19,380	3	34,984	3	50,229	3	65,746	3	81,329	3	96,896	3	112,433	3	128,004	3	143,575
1/4	4,083	1/4	19,705	1/4	35,309	1/4	50,546	1/4	66,070	1/4	81,653	1/4	97,219	1/4	112,758	1/4	128,329	1/4	143,899
1/2	4,408	1/2	20,031	1/2	35,633	1/2	50,862	1/2	66,395	1/2	81,978	1/2	97,543	1/2	113,082	1/2	128,653	1/2	144,223
3/4	4,733	3/4	20,356	3/4	35,958	3/4	51,179	3/4	66,720	3/4	82,303	3/4	97,866	3/4	113,406	3/4	128,978	3/4	144,548
4	5,058	4	20,682	4	36,282	4	51,496	4	67,044	4	82,627	4	98,190	4	113,731	4	129,302	4	144,872
1/4	5,383	1/4	21,007	1/4	36,607	1/4	51,813	1/4	67,369	1/4	82,952	1/4	98,514	1/4	114,055	1/4	129,626	1/4	145,196
1/2	5,709	1/2	21,333	1/2	36,931	1/2	52,130	1/2	67,693	1/2	83,277	1/2	98,837	1/2	114,380	1/2	129,951	1/2	145,519
3/4	6,034	3/4	21,658	3/4	37,256	3/4	52,446	3/4	68,018	3/4	83,601	3/4	99,161	3/4	114,704	3/4	130,275	3/4	145,843
5	6,360	5	21,984	5	37,580	5	52,763	5	68,342	5	83,926	5	99,484	5	115,028	5	130,600	5	146,167
1/4	6,685	1/4	22,309	1/4	37,897	1/4	53,087	1/4	68,667	1/4	84,251	1/4	99,808	1/4	115,353	1/4	130,924	1/4	146,490
1/2	7,011	1/2	22,635	1/2	38,214	1/2	53,411	1/2	68,991	1/2	84,575	1/2	100,131	1/2	115,677	1/2	131,248	1/2	146,814
3/4	7,336	3/4	22,960	3/4	38,531	3/4	53,734	3/4	69,316	3/4	84,900	3/4	100,455	3/4	116,002	3/4	131,573	3/4	147,138
6	7,662	6	23,286	6	38,847	6	54,058	6	69,641	6	85,225	6	100,778	6	116,326	6	131,897	6	147,461
1/4	7,987	1/4	23,611	1/4	39,163	1/4	54,383	1/4	69,965	1/4	85,549	1/4	101,102	1/4	116,650	1/4	132,222	1/4	147,785
1/2	8,313	1/2	23,937	1/2	39,479	1/2	54,707	1/2	70,290	1/2	85,874	1/2	101,426	1/2	116,975	1/2	132,546	1/2	148,108
3/4	8,638	3/4	24,262	3/4	39,795	3/4	55,032	3/4	70,615	3/4	86,199	3/4	101,749	3/4	117,299	3/4	132,870	3/4	148,432
7	8,964	7	24,588	7	40,111	7	55,357	7	70,939	7	86,523	7	102,073	7	117,624	7	133,195	7	148,755
1/4	9,289	1/4	24,913	1/4	40,427	1/4	55,681	1/4	71,264	1/4	86,848	1/4	102,396	1/4	117,948	1/4	133,519	1/4	149,079
1/2	9,615	1/2	25,239	1/2	40,744	1/2	56,006	1/2	71,589	1/2	87,173	1/2	102,720	1/2	118,272	1/2	133,844	1/2	149,403
3/4	9,940	3/4	25,564	3/4	41,060	3/4	56,331	3/4	71,913	3/4	87,497	3/4	103,043	3/4	118,597	3/4	134,168	3/4	149,726
8	10,266	8	25,890	8	41,376	8	56,655	8	72,238	8	87,822	8	103,367	8	118,921	8	134,492	8	150,050
1/4	10,591	1/4	26,215	1/4	41,692	1/4	56,980	1/4	72,563	1/4	88,147	1/4	103,691	1/4	119,246	1/4	134,817	1/4	150,373
1/2	10,917	1/2	26,541	1/2	42,008	1/2	57,305	1/2	72,887	1/2	88,471	1/2	104,014	1/2	119,570	1/2	135,141	1/2	150,697
3/4	11,242	3/4	26,866	3/4	42,324	3/4	57,629	3/4	73,212	3/4	88,796	3/4	104,338	3/4	119,894	3/4	135,465	3/4	151,020
9	11,568	9	27,192	9	42,640	9	57,954	9	73,537	9	89,121	9	104,661	9	120,219	9	135,790	9	151,344
1/4	11,893	1/4	27,517	1/4	42,956	1/4	58,279	1/4	73,861	1/4	89,445	1/4	104,985	1/4	120,543	1/4	136,114	1/4	151,668
1/2	12,219	1/2	27,843	1/2	43,272	1/2	58,603	1/2	74,186	1/2	89,770	1/2	105,308	1/2	120,868	1/2	136,438	1/2	151,991
3/4	12,544	3/4	28,168	3/4	43,588	3/4	58,928	3/4	74,511	3/4	90,095	3/4	105,631	3/4	121,192	3/4	136,763	3/4	152,315
10	12,870	10	28,494	10	43,904	10	59,253	10	74,835	10	90,419	10	105,954	10	121,516	10	137,087	10	152,638
1/4	13,195	1/4	28,818	1/4	44,220	1/4	59,577	1/4	75,160	1/4	90,744	1/4	106,278	1/4	121,841	1/4	137,412	1/4	152,962
1/2	13,521	1/2	29,143	1/2	44,536	1/2	59,902	1/2	75,485	1/2	91,069	1/2	106,601	1/2	122,165	1/2	137,736	1/2	153,286
3/4	13,846	3/4	29,468	3/4	44,852	3/4	60,227	3/4	75,809	3/4	91,393	3/4	106,924	3/4	122,490	3/4	138,060	3/4	153,609
11	14,172	11	29,792	11	45,169	11	60,551	11	76,134	11	91,718	11	107,247	11	122,814	11	138,385	11	153,933
1/4	14,497	1/4	30,117	1/4	45,485	1/4	60,876	1/4	76,459	1/4	92,042	1/4	107,572	1/4	123,138	1/4	138,709	1/4	154,256
1/2	14,823	1/2	30,441	1/2	45,801	1/2	61,201	1/2	76,783	1/2	92,366	1/2	107,896	1/2	123,463	1/2	139,033	1/2	154,580
3/4	15,148	3/4	30,766	3/4	46,117	3/4	61,525	3/4	77,108	3/4	92,689	3/4	108,220	3/4	123,787	3/4	139,358	3/4	154,904

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 320"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	155,227	0	168,160	0	180,123	0	192,075	0	203,953	0		0		0		0		0	
1/4	155,551	1/4	168,411	1/4	180,372	1/4	192,324	1/4	204,191	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,875	1/2	168,661	1/2	180,621	1/2	192,573	1/2	204,429	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,198	3/4	168,911	3/4	180,870	3/4	192,822	3/4	204,667	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,522	1	169,162	1	181,119	1	193,071	1	204,905	1	1	1	1	1	1	1	1	1	1
1/4	156,846	1/4	169,412	1/4	181,368	1/4	193,320	1/4	205,103	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,169	1/2	169,663	1/2	181,617	1/2	193,569	1/2	205,300	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,493	3/4	169,913	3/4	181,866	3/4	193,818	3/4	205,498	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,816	2	170,163	2	182,115	2	194,067	2	205,696	2	2	2	2	2	2	2	2	2	2
1/4	158,140	1/4	170,412	1/4	182,364	1/4	194,316	1/4	205,840	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,464	1/2	170,662	1/2	182,613	1/2	194,565	1/2	205,985	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,787	3/4	170,911	3/4	182,862	3/4	194,814	3/4	206,130	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	159,111	3	171,160	3	183,111	3	195,063	3	206,274	3	3	3	3	3	3	3	3	3	3
1/4	159,371	1/4	171,409	1/4	183,360	1/4	195,312	1/4	206,365	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,630	1/2	171,658	1/2	183,609	1/2	195,561	1/2	206,455	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,890	3/4	171,907	3/4	183,858	3/4	195,809	3/4	206,455	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	160,149	4	172,156	4	184,107	4	196,058	4	196,058	4	4	4	4	4	4	4	4	4	4
1/4	160,399	1/4	172,405	1/4	184,356	1/4	196,307	1/4	196,307	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,650	1/2	172,654	1/2	184,605	1/2	196,556	1/2	196,556	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,900	3/4	172,903	3/4	184,854	3/4	196,805	3/4	196,805	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	161,151	5	173,152	5	185,103	5	197,054	5	197,054	5	5	5	5	5	5	5	5	5	5
1/4	161,401	1/4	173,401	1/4	185,352	1/4	197,303	1/4	197,303	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,651	1/2	173,650	1/2	185,601	1/2	197,552	1/2	197,552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,902	3/4	173,899	3/4	185,850	3/4	197,801	3/4	197,801	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	162,152	6	174,148	6	186,099	6	198,050	6	198,050	6	6	6	6	6	6	6	6	6	6
1/4	162,402	1/4	174,397	1/4	186,348	1/4	198,299	1/4	198,299	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,653	1/2	174,646	1/2	186,597	1/2	198,548	1/2	198,548	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,903	3/4	174,895	3/4	186,846	3/4	198,797	3/4	198,797	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,153	7	175,144	7	187,095	7	199,046	7	199,046	7	7	7	7	7	7	7	7	7	7
1/4	163,404	1/4	175,393	1/4	187,344	1/4	199,293	1/4	199,293	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,654	1/2	175,642	1/2	187,593	1/2	199,540	1/2	199,540	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,904	3/4	175,891	3/4	187,842	3/4	199,786	3/4	199,786	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,155	8	176,140	8	188,091	8	200,033	8	200,033	8	8	8	8	8	8	8	8	8	8
1/4	164,405	1/4	176,389	1/4	188,340	1/4	200,279	1/4	200,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,655	1/2	176,638	1/2	188,589	1/2	200,525	1/2	200,525	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,906	3/4	176,887	3/4	188,838	3/4	200,771	3/4	200,771	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,156	9	177,136	9	189,087	9	201,017	9	201,017	9	9	9	9	9	9	9	9	9	9
1/4	165,407	1/4	177,385	1/4	189,336	1/4	201,263	1/4	201,263	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,657	1/2	177,634	1/2	189,585	1/2	201,508	1/2	201,508	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,907	3/4	177,883	3/4	189,834	3/4	201,754	3/4	201,754	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,158	10	178,131	10	190,083	10	201,999	10	201,999	10	10	10	10	10	10	10	10	10	10
1/4	166,408	1/4	178,380	1/4	190,332	1/4	202,244	1/4	202,244	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,658	1/2	178,629	1/2	190,581	1/2	202,489	1/2	202,489	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,909	3/4	178,878	3/4	190,830	3/4	202,734	3/4	202,734	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	167,159	11	179,127	11	191,079	11	202,979	11	202,979	11	11	11	11	11	11	11	11	11	11
1/4	167,409	1/4	179,376	1/4	191,328	1/4	203,222	1/4	203,222	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,660	1/2	179,625	1/2	191,577	1/2	203,466	1/2	203,466	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,910	3/4	179,874	3/4	191,826	3/4	203,710	3/4	203,710	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: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	611	0	15,474	0	31,090	0	46,240	0	61,524	0	77,107	0	92,687	0	108,218	0	123,786	0	139,357
1/4	804	1/4	15,799	1/4	31,415	1/4	46,549	1/4	61,849	1/4	77,432	1/4	93,011	1/4	108,542	1/4	124,110	1/4	139,681
1/2	997	1/2	16,125	1/2	31,739	1/2	46,858	1/2	62,174	1/2	77,756	1/2	93,334	1/2	108,866	1/2	124,435	1/2	140,005
3/4	1,190	3/4	16,450	3/4	32,064	3/4	47,167	3/4	62,498	3/4	78,081	3/4	93,658	3/4	109,190	3/4	124,759	3/4	140,330
1	1,384	1	16,776	1	32,388	1	47,477	1	62,823	1	78,406	1	93,982	1	109,515	1	125,084	1	140,654
1/4	1,658	1/4	17,101	1/4	32,713	1/4	47,786	1/4	63,148	1/4	78,730	1/4	94,305	1/4	109,839	1/4	125,408	1/4	140,978
1/2	1,933	1/2	17,427	1/2	33,037	1/2	48,096	1/2	63,472	1/2	79,055	1/2	94,629	1/2	110,163	1/2	125,732	1/2	141,303
3/4	2,207	3/4	17,752	3/4	33,362	3/4	48,405	3/4	63,797	3/4	79,380	3/4	94,952	3/4	110,487	3/4	126,057	3/4	141,627
2	2,482	2	18,078	2	33,686	2	48,715	2	64,122	2	79,704	2	95,276	2	110,811	2	126,381	2	141,952
1/4	2,801	1/4	18,403	1/4	34,011	1/4	49,025	1/4	64,446	1/4	80,029	1/4	95,599	1/4	111,135	1/4	126,706	1/4	142,276
1/2	3,120	1/2	18,729	1/2	34,335	1/2	49,335	1/2	64,771	1/2	80,354	1/2	95,923	1/2	111,459	1/2	127,030	1/2	142,600
3/4	3,439	3/4	19,054	3/4	34,660	3/4	49,645	3/4	65,096	3/4	80,678	3/4	96,247	3/4	111,783	3/4	127,354	3/4	142,925
3	3,758	3	19,380	3	34,984	3	49,956	3	65,420	3	81,003	3	96,570	3	112,108	3	127,679	3	143,249
1/4	4,083	1/4	19,705	1/4	35,309	1/4	50,266	1/4	65,745	1/4	81,328	1/4	96,894	1/4	112,432	1/4	128,003	1/4	143,573
1/2	4,408	1/2	20,031	1/2	35,633	1/2	50,577	1/2	66,069	1/2	81,653	1/2	97,217	1/2	112,756	1/2	128,328	1/2	143,898
3/4	4,733	3/4	20,356	3/4	35,958	3/4	50,887	3/4	66,394	3/4	81,977	3/4	97,541	3/4	113,081	3/4	128,652	3/4	144,222
4	5,058	4	20,682	4	36,282	4	51,198	4	66,718	4	82,302	4	97,864	4	113,405	4	128,976	4	144,546
1/4	5,383	1/4	21,007	1/4	36,606	1/4	51,509	1/4	67,043	1/4	82,627	1/4	98,188	1/4	113,730	1/4	129,301	1/4	144,870
1/2	5,709	1/2	21,333	1/2	36,930	1/2	51,819	1/2	67,367	1/2	82,951	1/2	98,511	1/2	114,054	1/2	129,625	1/2	145,194
3/4	6,034	3/4	21,658	3/4	37,254	3/4	52,130	3/4	67,692	3/4	83,276	3/4	98,835	3/4	114,378	3/4	129,950	3/4	145,518
5	6,360	5	21,984	5	37,577	5	52,441	5	68,017	5	83,601	5	99,159	5	114,703	5	130,274	5	145,841
1/4	6,685	1/4	22,309	1/4	37,888	1/4	52,764	1/4	68,341	1/4	83,925	1/4	99,482	1/4	115,027	1/4	130,598	1/4	146,165
1/2	7,011	1/2	22,635	1/2	38,199	1/2	53,086	1/2	68,666	1/2	84,250	1/2	99,806	1/2	115,352	1/2	130,923	1/2	146,488
3/4	7,336	3/4	22,960	3/4	38,509	3/4	53,409	3/4	68,990	3/4	84,575	3/4	100,129	3/4	115,676	3/4	131,247	3/4	146,812
6	7,662	6	23,286	6	38,820	6	53,732	6	69,315	6	84,899	6	100,453	6	116,000	6	131,572	6	147,135
1/4	7,987	1/4	23,611	1/4	39,129	1/4	54,057	1/4	69,640	1/4	85,224	1/4	100,776	1/4	116,325	1/4	131,896	1/4	147,459
1/2	8,313	1/2	23,937	1/2	39,438	1/2	54,382	1/2	69,964	1/2	85,549	1/2	101,100	1/2	116,649	1/2	132,220	1/2	147,783
3/4	8,638	3/4	24,262	3/4	39,747	3/4	54,706	3/4	70,289	3/4	85,873	3/4	101,424	3/4	116,974	3/4	132,545	3/4	148,106
7	8,964	7	24,588	7	40,056	7	55,031	7	70,614	7	86,198	7	101,747	7	117,298	7	132,869	7	148,430
1/4	9,289	1/4	24,913	1/4	40,366	1/4	55,356	1/4	70,938	1/4	86,523	1/4	102,071	1/4	117,622	1/4	133,193	1/4	148,753
1/2	9,615	1/2	25,239	1/2	40,675	1/2	55,680	1/2	71,263	1/2	86,847	1/2	102,394	1/2	117,947	1/2	133,518	1/2	149,077
3/4	9,940	3/4	25,564	3/4	40,984	3/4	56,005	3/4	71,588	3/4	87,172	3/4	102,718	3/4	118,271	3/4	133,842	3/4	149,400
8	10,266	8	25,890	8	41,293	8	56,330	8	71,912	8	87,497	8	103,041	8	118,596	8	134,167	8	149,724
1/4	10,591	1/4	26,215	1/4	41,602	1/4	56,654	1/4	72,237	1/4	87,821	1/4	103,365	1/4	118,920	1/4	134,491	1/4	150,048
1/2	10,917	1/2	26,541	1/2	41,911	1/2	56,979	1/2	72,562	1/2	88,146	1/2	103,688	1/2	119,244	1/2	134,815	1/2	150,371
3/4	11,242	3/4	26,866	3/4	42,221	3/4	57,304	3/4	72,886	3/4	88,471	3/4	104,012	3/4	119,569	3/4	135,140	3/4	150,695
9	11,568	9	27,192	9	42,530	9	57,628	9	73,211	9	88,795	9	104,336	9	119,893	9	135,464	9	151,018
1/4	11,893	1/4	27,517	1/4	42,839	1/4	57,953	1/4	73,536	1/4	89,120	1/4	104,659	1/4	120,218	1/4	135,788	1/4	151,342
1/2	12,219	1/2	27,843	1/2	43,148	1/2	58,278	1/2	73,860	1/2	89,445	1/2	104,982	1/2	120,542	1/2	136,113	1/2	151,666
3/4	12,544	3/4	28,168	3/4	43,457	3/4	58,602	3/4	74,185	3/4	89,769	3/4	105,305	3/4	120,866	3/4	136,437	3/4	151,989
10	12,870	10	28,494	10	43,766	10	58,927	10	74,510	10	90,094	10	105,629	10	121,191	10	136,762	10	152,313
1/4	13,195	1/4	28,818	1/4	44,076	1/4	59,252	1/4	74,834	1/4	90,419	1/4	105,952	1/4	121,515	1/4	137,086	1/4	152,636
1/2	13,521	1/2	29,143	1/2	44,385	1/2	59,576	1/2	75,159	1/2	90,743	1/2	106,275	1/2	121,840	1/2	137,410	1/2	152,960
3/4	13,846	3/4	29,468	3/4	44,694	3/4	59,901	3/4	75,484	3/4	91,068	3/4	106,599	3/4	122,164	3/4	137,735	3/4	153,284
11	14,172	11	29,792	11	45,003	11	60,226	11	75,808	11	91,393	11	106,922	11	122,488	11	138,059	11	153,607
1/4	14,497	1/4	30,117	1/4	45,312	1/4	60,550	1/4	76,133	1/4	91,716	1/4	107,246	1/4	122,813	1/4	138,383	1/4	153,931
1/2	14,823	1/2	30,441	1/2	45,621	1/2	60,875	1/2	76,458	1/2	92,040	1/2	107,570	1/2	123,137	1/2	138,708	1/2	154,254
3/4	15,148	3/4	30,766	3/4	45,931	3/4	61,200	3/4	76,782	3/4	92,364	3/4	107,894	3/4	123,462	3/4	139,032	3/4	154,578

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 320"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 16'-04"

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	154,902	0	167,835	0	179,798	0	191,749	0	203,628	0		0		0		0		0	
1/4	155,225	1/4	168,085	1/4	180,047	1/4	191,998	1/4	203,866	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,549	1/2	168,335	1/2	180,296	1/2	192,247	1/2	204,103	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,873	3/4	168,586	3/4	180,545	3/4	192,496	3/4	204,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,196	1	168,836	1	180,794	1	192,745	1	204,579	1	1	1	1	1	1	1	1	1	1
1/4	156,520	1/4	169,087	1/4	181,043	1/4	192,994	1/4	204,777	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,844	1/2	169,337	1/2	181,292	1/2	193,243	1/2	204,975	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,167	3/4	169,587	3/4	181,541	3/4	193,492	3/4	205,172	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,491	2	169,838	2	181,790	2	193,741	2	205,370	2	2	2	2	2	2	2	2	2	2
1/4	157,814	1/4	170,087	1/4	182,039	1/4	193,990	1/4	205,515	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,138	1/2	170,336	1/2	182,288	1/2	194,239	1/2	205,659	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,462	3/4	170,585	3/4	182,537	3/4	194,488	3/4	205,804	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,785	3	170,834	3	182,786	3	194,737	3	205,949	3	3	3	3	3	3	3	3	3	3
1/4	159,045	1/4	171,083	1/4	183,035	1/4	194,986	1/4	206,039	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,304	1/2	171,332	1/2	183,284	1/2	195,235	1/2	206,130	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,564	3/4	171,581	3/4	183,533	3/4	195,484	3/4	206,221	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,823	4	171,830	4	183,782	4	195,733	4	195,733	4	4	4	4	4	4	4	4	4	4
1/4	160,074	1/4	172,079	1/4	184,030	1/4	195,982	1/4	195,982	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,324	1/2	172,328	1/2	184,279	1/2	196,231	1/2	196,231	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,575	3/4	172,577	3/4	184,528	3/4	196,480	3/4	196,480	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,825	5	172,826	5	184,777	5	196,729	5	196,729	5	5	5	5	5	5	5	5	5	5
1/4	161,075	1/4	173,075	1/4	185,026	1/4	196,978	1/4	196,978	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,326	1/2	173,324	1/2	185,275	1/2	197,227	1/2	197,227	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,576	3/4	173,573	3/4	185,524	3/4	197,476	3/4	197,476	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,826	6	173,822	6	185,773	6	197,725	6	197,725	6	6	6	6	6	6	6	6	6	6
1/4	162,077	1/4	174,071	1/4	186,022	1/4	197,974	1/4	197,974	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,327	1/2	174,320	1/2	186,271	1/2	198,223	1/2	198,223	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,577	3/4	174,569	3/4	186,520	3/4	198,472	3/4	198,472	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,828	7	174,818	7	186,769	7	198,721	7	198,721	7	7	7	7	7	7	7	7	7	7
1/4	163,078	1/4	175,067	1/4	187,018	1/4	198,967	1/4	198,967	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,328	1/2	175,316	1/2	187,267	1/2	199,214	1/2	199,214	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,579	3/4	175,565	3/4	187,516	3/4	199,461	3/4	199,461	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,829	8	175,814	8	187,765	8	199,707	8	199,707	8	8	8	8	8	8	8	8	8	8
1/4	164,079	1/4	176,063	1/4	188,014	1/4	199,953	1/4	199,953	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,330	1/2	176,312	1/2	188,263	1/2	200,199	1/2	200,199	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,580	3/4	176,561	3/4	188,512	3/4	200,445	3/4	200,445	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,831	9	176,810	9	188,761	9	200,691	9	200,691	9	9	9	9	9	9	9	9	9	9
1/4	165,081	1/4	177,059	1/4	189,010	1/4	200,937	1/4	200,937	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,331	1/2	177,308	1/2	189,259	1/2	201,183	1/2	201,183	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,582	3/4	177,557	3/4	189,508	3/4	201,428	3/4	201,428	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,832	10	177,806	10	189,757	10	201,674	10	201,674	10	10	10	10	10	10	10	10	10	10
1/4	166,082	1/4	178,055	1/4	190,006	1/4	201,919	1/4	201,919	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,333	1/2	178,304	1/2	190,255	1/2	202,163	1/2	202,163	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,583	3/4	178,553	3/4	190,504	3/4	202,408	3/4	202,408	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,833	11	178,802	11	190,753	11	202,653	11	202,653	11	11	11	11	11	11	11	11	11	11
1/4	167,084	1/4	179,051	1/4	191,002	1/4	202,897	1/4	202,897	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,334	1/2	179,300	1/2	191,251	1/2	203,140	1/2	203,140	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,584	3/4	179,549	3/4	191,500	3/4	203,384	3/4	203,384	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: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	106	1/2	263	1/2	417	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	109	3/4	267	3/4	420	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	112	1	270	1	423	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	273	1/4	426	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	119	1/2	277	1/2	429	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	6	3/4	122	3/4	280	3/4	431	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	7	2	125	2	284	2	434	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	437	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	10	1/2	131	1/2	290	1/2	440	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	12	3/4	134	3/4	294	3/4	442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	13	3	137	3	297	3	445	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	300	1/4	447	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	17	1/2	144	1/2	304	1/2	450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	19	3/4	147	3/4	307	3/4	452	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	20	4	150	4	311	4	455	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	457	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	24	1/2	156	1/2	317	1/2	460	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	26	3/4	160	3/4	320	3/4	462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	28	5	163	5	324	5	465	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	467	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	33	1/2	169	1/2	330	1/2	469	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	35	3/4	173	3/4	334	3/4	471	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	37	6	176	6	337	6	474	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	340	1/4	476	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42	1/2	183	1/2	343	1/2	478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44	3/4	186	3/4	347	3/4	480	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46	7	189	7	350	7	482	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	353	1/4	484	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51	1/2	196	1/2	356	1/2	486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54	3/4	199	3/4	360	3/4	488	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	56	8	202	8	363	8	489	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	366	1/4	491	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62	1/2	209	1/2	369	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64	3/4	213	3/4	372	3/4	494	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	67	9	216	9	375	9	496	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	497	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72	1/2	223	1/2	382	1/2	499	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75	3/4	226	3/4	385	3/4	500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	78	10	229	10	388	10	502	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	391	1/4	502	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83	1/2	236	1/2	394	1/2	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86	3/4	240	3/4	397	3/4	502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	89	11	243	11	400	11	502	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	403	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	250	1/2	406	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98	3/4	253	3/4	409	3/4		3/4	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.

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 8" DIAMETER HATCH.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 7'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 258'-06"

January 2, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 320"

1 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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		0		0		0		0		0		0		0	
						210,177		194,494		178,812		163,057		147,287		131,516		115,743	
1/4	1/4	1/4	1/4	1/4	1/4	209,850	1/4	194,168	1/4	178,485	1/4	162,729	1/4	146,959	1/4	131,188	1/4	115,414	1/4
1/2	1/2	1/2	1/2	1/2	1/2	209,523	1/2	193,841	1/2	178,158	1/2	162,400	1/2	146,630	1/2	130,859	1/2	115,085	1/2
3/4	3/4	3/4	3/4	223,787	3/4	209,196	3/4	193,514	3/4	177,832	3/4	162,072	3/4	146,302	3/4	130,531	3/4	114,757	3/4
1		1		1		223,621	1	208,870	1	193,187	1	177,505	1	161,743	1	145,973	1	130,202	1
1/4	1/4	1/4	1/4	223,455	1/4	208,543	1/4	192,861	1/4	177,178	1/4	161,415	1/4	145,645	1/4	129,873	1/4	114,100	1/4
1/2	1/2	1/2	1/2	223,235	1/2	208,216	1/2	192,534	1/2	176,851	1/2	161,086	1/2	145,316	1/2	129,545	1/2	113,771	1/2
3/4	3/4	3/4	3/4	223,014	3/4	207,890	3/4	192,207	3/4	176,524	3/4	160,758	3/4	144,988	3/4	129,216	3/4	113,442	3/4
2		2		2		222,793	2	207,563	2	191,881	2	176,198	2	160,429	2	144,659	2	128,888	2
1/4	1/4	1/4	1/4	222,573	1/4	207,236	1/4	191,554	1/4	175,871	1/4	160,101	1/4	144,331	1/4	128,559	1/4	112,785	1/4
1/2	1/2	1/2	1/2	222,298	1/2	206,909	1/2	191,227	1/2	175,542	1/2	159,772	1/2	144,002	1/2	128,230	1/2	112,457	1/2
3/4	3/4	3/4	3/4	222,024	3/4	206,583	3/4	190,900	3/4	175,213	3/4	159,443	3/4	143,673	3/4	127,902	3/4	112,128	3/4
3		3		3		221,750	3	206,256	3	190,574	3	174,885	3	159,115	3	143,345	3	127,573	3
1/4	1/4	1/4	1/4	221,476	1/4	205,929	1/4	190,247	1/4	174,556	1/4	158,786	1/4	143,016	1/4	127,244	1/4	111,471	1/4
1/2	1/2	1/2	1/2	221,161	1/2	205,603	1/2	189,920	1/2	174,228	1/2	158,458	1/2	142,688	1/2	126,916	1/2	111,142	1/2
3/4	3/4	3/4	3/4	220,846	3/4	205,276	3/4	189,594	3/4	173,899	3/4	158,129	3/4	142,359	3/4	126,587	3/4	110,813	3/4
4		4		4		220,532	4	204,949	4	189,267	4	173,571	4	157,801	4	142,031	4	126,259	4
1/4	1/4	1/4	1/4	220,217	1/4	204,622	1/4	188,940	1/4	173,242	1/4	157,472	1/4	141,702	1/4	125,930	1/4	110,156	1/4
1/2	1/2	1/2	1/2	219,896	1/2	204,296	1/2	188,613	1/2	172,914	1/2	157,144	1/2	141,374	1/2	125,601	1/2	109,828	1/2
3/4	3/4	3/4	3/4	219,576	3/4	203,969	3/4	188,287	3/4	172,585	3/4	156,815	3/4	141,045	3/4	125,273	3/4	109,499	3/4
5		5		5		219,255	5	203,642	5	187,960	5	172,257	5	156,487	5	140,717	5	124,944	5
1/4	1/4	1/4	1/4	218,934	1/4	203,316	1/4	187,633	1/4	171,928	1/4	156,158	1/4	140,388	1/4	124,615	1/4	108,842	1/4
1/2	1/2	1/2	1/2	218,613	1/2	202,989	1/2	187,307	1/2	171,600	1/2	155,829	1/2	140,059	1/2	124,287	1/2	108,513	1/2
3/4	3/4	3/4	3/4	218,291	3/4	202,662	3/4	186,980	3/4	171,271	3/4	155,501	3/4	139,731	3/4	123,958	3/4	108,184	3/4
6		6		6		217,969	6	202,335	6	186,653	6	170,942	6	155,172	6	139,402	6	123,630	6
1/4	1/4	1/4	1/4	217,647	1/4	202,009	1/4	186,326	1/4	170,614	1/4	154,844	1/4	139,074	1/4	123,301	1/4	107,527	1/4
1/2	1/2	1/2	1/2	217,325	1/2	201,682	1/2	186,000	1/2	170,285	1/2	154,515	1/2	138,745	1/2	122,972	1/2	107,199	1/2
3/4	3/4	3/4	3/4	217,002	3/4	201,355	3/4	185,673	3/4	169,957	3/4	154,187	3/4	138,417	3/4	122,644	3/4	106,870	3/4
7		7		7		216,680	7	201,029	7	185,346	7	169,628	7	153,858	7	138,088	7	122,315	7
1/4	1/4	1/4	1/4	216,357	1/4	200,702	1/4	185,020	1/4	169,300	1/4	153,530	1/4	137,760	1/4	121,987	1/4	106,213	1/4
1/2	1/2	1/2	1/2	216,034	1/2	200,375	1/2	184,693	1/2	168,971	1/2	153,201	1/2	137,431	1/2	121,658	1/2	105,884	1/2
3/4	3/4	3/4	3/4	215,711	3/4	200,048	3/4	184,366	3/4	168,643	3/4	152,873	3/4	137,103	3/4	121,329	3/4	105,556	3/4
8		8		8		215,388	8	199,722	8	184,039	8	168,314	8	152,544	8	136,774	8	121,001	8
1/4	1/4	1/4	1/4	215,065	1/4	199,395	1/4	183,713	1/4	167,986	1/4	152,216	1/4	136,446	1/4	120,672	1/4	104,898	1/4
1/2	1/2	1/2	1/2	214,741	1/2	199,068	1/2	183,386	1/2	167,657	1/2	151,887	1/2	136,117	1/2	120,343	1/2	104,570	1/2
3/4	3/4	3/4	3/4	214,418	3/4	198,742	3/4	183,059	3/4	167,328	3/4	151,558	3/4	135,788	3/4	120,015	3/4	104,241	3/4
9		9		9		214,094	9	198,415	9	182,733	9	167,000	9	151,230	9	135,460	9	119,686	9
1/4	1/4	1/4	1/4	213,770	1/4	198,088	1/4	182,406	1/4	166,671	1/4	150,901	1/4	135,131	1/4	119,358	1/4	103,584	1/4
1/2	1/2	1/2	1/2	213,444	1/2	197,761	1/2	182,079	1/2	166,343	1/2	150,573	1/2	134,803	1/2	119,029	1/2	103,255	1/2
3/4	3/4	3/4	3/4	213,117	3/4	197,435	3/4	181,752	3/4	166,014	3/4	150,244	3/4	134,474	3/4	118,700	3/4	102,927	3/4
10		10		10		212,790	10	197,108	10	181,426	10	165,686	10	149,916	10	134,145	10	118,372	10
1/4	1/4	1/4	1/4	212,464	1/4	196,781	1/4	181,099	1/4	165,357	1/4	149,587	1/4	133,817	1/4	118,043	1/4	102,269	1/4
1/2	1/2	1/2	1/2	212,137	1/2	196,455	1/2	180,772	1/2	165,029	1/2	149,259	1/2	133,488	1/2	117,714	1/2	101,941	1/2
3/4	3/4	3/4	3/4	211,810	3/4	196,128	3/4	180,445	3/4	164,700	3/4	148,930	3/4	133,160	3/4	117,386	3/4	101,612	3/4
11		11		11		211,483	11	195,801	11	180,119	11	164,372	11	148,602	11	132,831	11	117,057	11
1/4	1/4	1/4	1/4	211,157	1/4	195,474	1/4	179,792	1/4	164,043	1/4	148,273	1/4	132,502	1/4	116,729	1/4	100,955	1/4
1/2	1/2	1/2	1/2	210,830	1/2	195,148	1/2	179,465	1/2	163,715	1/2	147,944	1/2	132,174	1/2	116,400	1/2	100,626	1/2
3/4	3/4	3/4	3/4	210,503	3/4	194,821	3/4	179,139	3/4	163,386	3/4	147,616	3/4	131,845	3/4	116,071	3/4	100,298	3/4

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 OUTAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 320"

1 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	99,969	0	84,195	0	68,421	0	52,648	0	36,971	0	21,207	0	5,434	0		0		0	
1/4	99,640	1/4	83,867	1/4	68,093	1/4	52,319	1/4	36,645	1/4	20,879	1/4	5,106	1/4	1/4	1/4	1/4	1/4	1/4
1/2	99,312	1/2	83,538	1/2	67,764	1/2	51,990	1/2	36,318	1/2	20,550	1/2	4,778	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98,983	3/4	83,209	3/4	67,436	3/4	51,662	3/4	35,991	3/4	20,221	3/4	4,450	3/4	3/4	3/4	3/4	3/4	3/4
1	98,654	1	82,881	1	67,107	1	51,333	1	35,664	1	19,893	1	4,122	1	1	1	1	1	1
1/4	98,326	1/4	82,552	1/4	66,778	1/4	51,005	1/4	35,337	1/4	19,564	1/4	3,794	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,997	1/2	82,223	1/2	66,450	1/2	50,677	1/2	35,009	1/2	19,235	1/2	3,472	1/2	1/2	1/2	1/2	1/2	1/2
3/4	97,669	3/4	81,895	3/4	66,121	3/4	50,348	3/4	34,680	3/4	18,907	3/4	3,149	3/4	3/4	3/4	3/4	3/4	3/4
2	97,340	2	81,566	2	65,792	2	50,020	2	34,352	2	18,578	2	2,827	2	2	2	2	2	2
1/4	97,011	1/4	81,238	1/4	65,464	1/4	49,692	1/4	34,023	1/4	18,250	1/4	2,505	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,683	1/2	80,909	1/2	65,135	1/2	49,364	1/2	33,694	1/2	17,921	1/2	2,228	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,354	3/4	80,580	3/4	64,807	3/4	49,036	3/4	33,366	3/4	17,592	3/4	1,951	3/4	3/4	3/4	3/4	3/4	3/4
3	96,026	3	80,252	3	64,478	3	48,708	3	33,037	3	17,264	3	1,674	3	3	3	3	3	3
1/4	95,697	1/4	79,923	1/4	64,149	1/4	48,380	1/4	32,709	1/4	16,935	1/4	1,396	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,368	1/2	79,595	1/2	63,821	1/2	48,054	1/2	32,380	1/2	16,607	1/2	1,201	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,040	3/4	79,266	3/4	63,492	3/4	47,728	3/4	32,051	3/4	16,278	3/4	1,006	3/4	3/4	3/4	3/4	3/4	3/4
4	94,711	4	78,937	4	63,164	4	47,402	4	31,723	4	15,949	4	811	4	4	4	4	4	4
1/4	94,382	1/4	78,609	1/4	62,835	1/4	47,077	1/4	31,394	1/4	15,621	1/4	616	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,054	1/2	78,280	1/2	62,506	1/2	46,751	1/2	31,065	1/2	15,292	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,725	3/4	77,951	3/4	62,178	3/4	46,425	3/4	30,737	3/4	14,964	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	93,397	5	77,623	5	61,849	5	46,099	5	30,408	5	14,635	5		5	5	5	5	5	5
1/4	93,068	1/4	77,294	1/4	61,520	1/4	45,773	1/4	30,080	1/4	14,306	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,739	1/2	76,966	1/2	61,192	1/2	45,447	1/2	29,751	1/2	13,978	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,411	3/4	76,637	3/4	60,863	3/4	45,121	3/4	29,422	3/4	13,649	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	92,082	6	76,308	6	60,535	6	44,795	6	29,094	6	13,320	6		6	6	6	6	6	6
1/4	91,753	1/4	75,980	1/4	60,206	1/4	44,469	1/4	28,765	1/4	12,992	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,425	1/2	75,651	1/2	59,877	1/2	44,143	1/2	28,437	1/2	12,663	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,096	3/4	75,322	3/4	59,549	3/4	43,818	3/4	28,108	3/4	12,335	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	90,768	7	74,994	7	59,220	7	43,492	7	27,779	7	12,006	7		7	7	7	7	7	7
1/4	90,439	1/4	74,665	1/4	58,891	1/4	43,166	1/4	27,451	1/4	11,677	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,110	1/2	74,337	1/2	58,563	1/2	42,840	1/2	27,122	1/2	11,349	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,782	3/4	74,008	3/4	58,234	3/4	42,514	3/4	26,794	3/4	11,020	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	89,453	8	73,679	8	57,906	8	42,188	8	26,465	8	10,692	8		8	8	8	8	8	8
1/4	89,125	1/4	73,351	1/4	57,577	1/4	41,862	1/4	26,136	1/4	10,363	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,796	1/2	73,022	1/2	57,248	1/2	41,536	1/2	25,808	1/2	10,034	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,467	3/4	72,694	3/4	56,920	3/4	41,210	3/4	25,479	3/4	9,706	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	88,139	9	72,365	9	56,591	9	40,885	9	25,150	9	9,377	9		9	9	9	9	9	9
1/4	87,810	1/4	72,036	1/4	56,263	1/4	40,559	1/4	24,822	1/4	9,049	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,481	1/2	71,708	1/2	55,934	1/2	40,233	1/2	24,493	1/2	8,720	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,153	3/4	71,379	3/4	55,605	3/4	39,907	3/4	24,165	3/4	8,391	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	86,824	10	71,050	10	55,277	10	39,581	10	23,836	10	8,063	10		10	10	10	10	10	10
1/4	86,496	1/4	70,722	1/4	54,948	1/4	39,255	1/4	23,507	1/4	7,734	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,167	1/2	70,393	1/2	54,619	1/2	38,929	1/2	23,179	1/2	7,405	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,838	3/4	70,065	3/4	54,291	3/4	38,603	3/4	22,850	3/4	7,077	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	85,510	11	69,736	11	53,962	11	38,277	11	22,522	11	6,748	11		11	11	11	11	11	11
1/4	85,181	1/4	69,407	1/4	53,634	1/4	37,951	1/4	22,193	1/4	6,420	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,852	1/2	69,079	1/2	53,305	1/2	37,625	1/2	21,864	1/2	6,091	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,524	3/4	68,750	3/4	52,976	3/4	37,298	3/4	21,536	3/4	5,763	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

1 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	210,615	0	194,929	0	179,243	0	163,487	0	147,713	0	131,938	0	116,161
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,288	1/4	194,602	1/4	178,916	1/4	163,158	1/4	147,384	1/4	131,610	1/4	115,832
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,962	1/2	194,276	1/2	178,589	1/2	162,829	1/2	147,056	1/2	131,281	1/2	115,503
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,635	3/4	193,949	3/4	178,263	3/4	162,501	3/4	146,727	3/4	130,952	3/4	115,175
1		1		1	223,902	1	209,308	1	193,622	1	177,936	1	162,172	1	146,398	1	130,624	1	114,846
1/4	1/4	1/4	1/4	1/4	223,736	1/4	208,981	1/4	193,295	1/4	177,609	1/4	161,844	1/4	146,070	1/4	130,295	1/4	114,517
1/2	1/2	1/2	1/2	1/2	223,570	1/2	208,654	1/2	192,968	1/2	177,282	1/2	161,515	1/2	145,741	1/2	129,966	1/2	114,189
3/4	3/4	3/4	3/4	3/4	223,349	3/4	208,328	3/4	192,642	3/4	176,955	3/4	161,186	3/4	145,413	3/4	129,637	3/4	113,860
2		2		2	223,129	2	208,001	2	192,315	2	176,628	2	160,858	2	145,084	2	129,309	2	113,531
1/4	1/4	1/4	1/4	1/4	222,908	1/4	207,674	1/4	191,988	1/4	176,301	1/4	160,529	1/4	144,755	1/4	128,980	1/4	113,203
1/2	1/2	1/2	1/2	1/2	222,687	1/2	207,347	1/2	191,661	1/2	175,974	1/2	160,200	1/2	144,427	1/2	128,651	1/2	112,874
3/4	3/4	3/4	3/4	3/4	222,413	3/4	207,020	3/4	191,334	3/4	175,646	3/4	159,872	3/4	144,098	3/4	128,323	3/4	112,545
3		3		3	222,139	3	206,694	3	191,008	3	175,317	3	159,543	3	143,770	3	127,994	3	112,217
1/4	1/4	1/4	1/4	1/4	221,864	1/4	206,367	1/4	190,681	1/4	174,988	1/4	159,215	1/4	143,441	1/4	127,665	1/4	111,888
1/2	1/2	1/2	1/2	1/2	221,590	1/2	206,040	1/2	190,354	1/2	174,660	1/2	158,886	1/2	143,112	1/2	127,337	1/2	111,559
3/4	3/4	3/4	3/4	3/4	221,275	3/4	205,713	3/4	190,027	3/4	174,331	3/4	158,557	3/4	142,784	3/4	127,008	3/4	111,230
4		4		4	220,961	4	205,387	4	189,700	4	174,003	4	158,229	4	142,455	4	126,679	4	110,902
1/4	1/4	1/4	1/4	1/4	220,646	1/4	205,060	1/4	189,374	1/4	173,674	1/4	157,900	1/4	142,126	1/4	126,351	1/4	110,573
1/2	1/2	1/2	1/2	1/2	220,331	1/2	204,733	1/2	189,047	1/2	173,345	1/2	157,572	1/2	141,798	1/2	126,022	1/2	110,244
3/4	3/4	3/4	3/4	3/4	220,010	3/4	204,406	3/4	188,720	3/4	173,017	3/4	157,243	3/4	141,469	3/4	125,693	3/4	109,916
5		5		5	219,690	5	204,079	5	188,393	5	172,688	5	156,914	5	141,141	5	125,364	5	109,587
1/4	1/4	1/4	1/4	1/4	219,369	1/4	203,753	1/4	188,066	1/4	172,359	1/4	156,586	1/4	140,812	1/4	125,036	1/4	109,258
1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,426	1/2	187,740	1/2	172,031	1/2	156,257	1/2	140,483	1/2	124,707	1/2	108,930
3/4	3/4	3/4	3/4	3/4	218,726	3/4	203,099	3/4	187,413	3/4	171,702	3/4	155,928	3/4	140,155	3/4	124,378	3/4	108,601
6		6		6	218,405	6	202,772	6	187,086	6	171,374	6	155,600	6	139,826	6	124,050	6	108,272
1/4	1/4	1/4	1/4	1/4	218,083	1/4	202,445	1/4	186,759	1/4	171,045	1/4	155,271	1/4	139,497	1/4	123,721	1/4	107,943
1/2	1/2	1/2	1/2	1/2	217,761	1/2	202,119	1/2	186,433	1/2	170,716	1/2	154,943	1/2	139,169	1/2	123,392	1/2	107,615
3/4	3/4	3/4	3/4	3/4	217,438	3/4	201,792	3/4	186,106	3/4	170,388	3/4	154,614	3/4	138,840	3/4	123,064	3/4	107,286
7		7		7	217,116	7	201,465	7	185,779	7	170,059	7	154,285	7	138,512	7	122,735	7	106,957
1/4	1/4	1/4	1/4	1/4	216,793	1/4	201,138	1/4	185,452	1/4	169,730	1/4	153,957	1/4	138,183	1/4	122,406	1/4	106,629
1/2	1/2	1/2	1/2	1/2	216,470	1/2	200,811	1/2	185,125	1/2	169,402	1/2	153,628	1/2	137,854	1/2	122,077	1/2	106,300
3/4	3/4	3/4	3/4	3/4	216,147	3/4	200,485	3/4	184,799	3/4	169,073	3/4	153,299	3/4	137,526	3/4	121,749	3/4	105,971
8		8		8	215,824	8	200,158	8	184,472	8	168,745	8	152,971	8	137,197	8	121,420	8	105,643
1/4	1/4	1/4	1/4	1/4	215,501	1/4	199,831	1/4	184,145	1/4	168,416	1/4	152,642	1/4	136,869	1/4	121,091	1/4	105,314
1/2	1/2	1/2	1/2	1/2	215,178	1/2	199,504	1/2	183,818	1/2	168,087	1/2	152,314	1/2	136,540	1/2	120,763	1/2	104,985
3/4	3/4	3/4	3/4	3/4	214,854	3/4	199,177	3/4	183,491	3/4	167,759	3/4	151,985	3/4	136,211	3/4	120,434	3/4	104,656
9		9		9	214,531	9	198,851	9	183,165	9	167,430	9	151,656	9	135,883	9	120,105	9	104,328
1/4	1/4	1/4	1/4	1/4	214,207	1/4	198,524	1/4	182,838	1/4	167,102	1/4	151,328	1/4	135,554	1/4	119,777	1/4	103,999
1/2	1/2	1/2	1/2	1/2	213,883	1/2	198,197	1/2	182,511	1/2	166,773	1/2	150,999	1/2	135,225	1/2	119,448	1/2	103,670
3/4	3/4	3/4	3/4	3/4	213,556	3/4	197,870	3/4	182,184	3/4	166,444	3/4	150,671	3/4	134,897	3/4	119,119	3/4	103,342
10		10		10	213,230	10	197,543	10	181,857	10	166,116	10	150,342	10	134,568	10	118,790	10	103,013
1/4	1/4	1/4	1/4	1/4	212,903	1/4	197,217	1/4	181,531	1/4	165,787	1/4	150,013	1/4	134,239	1/4	118,462	1/4	102,684
1/2	1/2	1/2	1/2	1/2	212,576	1/2	196,890	1/2	181,204	1/2	165,458	1/2	149,685	1/2	133,911	1/2	118,133	1/2	102,356
3/4	3/4	3/4	3/4	3/4	212,249	3/4	196,563	3/4	180,877	3/4	165,130	3/4	149,356	3/4	133,582	3/4	117,804	3/4	102,027
11		11		11	211,922	11	196,236	11	180,550	11	164,801	11	149,027	11	133,253	11	117,476	11	101,698
1/4	1/4	1/4	1/4	1/4	211,596	1/4	195,910	1/4	180,223	1/4	164,473	1/4	148,699	1/4	132,924	1/4	117,147	1/4	101,369
1/2	1/2	1/2	1/2	1/2	211,269	1/2	195,583	1/2	179,897	1/2	164,144	1/2	148,370	1/2	132,596	1/2	116,818	1/2	101,041
3/4	3/4	3/4	3/4	3/4	210,942	3/4	195,256	3/4	179,570	3/4	163,815	3/4	148,042	3/4	132,267	3/4	116,490	3/4	100,712

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

1 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	100,383	0	84,606	0	68,828	0	53,051	0	37,312	0	21,542	0	5,765	0		0		0	
1/4	100,055	1/4	84,277	1/4	68,500	1/4	52,722	1/4	36,984	1/4	21,213	1/4	5,436	1/4	1/4		1/4		1/4
1/2	99,726	1/2	83,949	1/2	68,171	1/2	52,394	1/2	36,656	1/2	20,884	1/2	5,108	1/2	1/2		1/2		1/2
3/4	99,397	3/4	83,620	3/4	67,842	3/4	52,065	3/4	36,328	3/4	20,556	3/4	4,780	3/4	3/4		3/4		3/4
1	99,069	1	83,291	1	67,514	1	51,736	1	35,999	1	20,227	1	4,451	1	1		1		1
1/4	98,740	1/4	82,962	1/4	67,185	1/4	51,408	1/4	35,671	1/4	19,898	1/4	4,123	1/4	1/4		1/4		1/4
1/2	98,411	1/2	82,634	1/2	66,856	1/2	51,079	1/2	35,343	1/2	19,569	1/2	3,795	1/2	1/2		1/2		1/2
3/4	98,083	3/4	82,305	3/4	66,528	3/4	50,751	3/4	35,015	3/4	19,241	3/4	3,473	3/4	3/4		3/4		3/4
2	97,754	2	81,976	2	66,199	2	50,422	2	34,687	2	18,912	2	3,151	2	2		2		2
1/4	97,425	1/4	81,648	1/4	65,870	1/4	50,094	1/4	34,358	1/4	18,583	1/4	2,829	1/4	1/4		1/4		1/4
1/2	97,096	1/2	81,319	1/2	65,541	1/2	49,766	1/2	34,030	1/2	18,255	1/2	2,507	1/2	1/2		1/2		1/2
3/4	96,768	3/4	80,990	3/4	65,213	3/4	49,437	3/4	33,702	3/4	17,926	3/4	2,229	3/4	3/4		3/4		3/4
3	96,439	3	80,662	3	64,884	3	49,109	3	33,374	3	17,597	3	1,952	3	3		3		3
1/4	96,110	1/4	80,333	1/4	64,555	1/4	48,781	1/4	33,045	1/4	17,269	1/4	1,675	1/4	1/4		1/4		1/4
1/2	95,782	1/2	80,004	1/2	64,227	1/2	48,453	1/2	32,717	1/2	16,940	1/2	1,397	1/2	1/2		1/2		1/2
3/4	95,453	3/4	79,675	3/4	63,898	3/4	48,125	3/4	32,388	3/4	16,611	3/4	1,202	3/4	3/4		3/4		3/4
4	95,124	4	79,347	4	63,569	4	47,797	4	32,060	4	16,283	4	1,007	4	4		4		4
1/4	94,796	1/4	79,018	1/4	63,241	1/4	47,469	1/4	31,731	1/4	15,954	1/4	812	1/4	1/4		1/4		1/4
1/2	94,467	1/2	78,689	1/2	62,912	1/2	47,141	1/2	31,402	1/2	15,625	1/2	616	1/2	1/2		1/2		1/2
3/4	94,138	3/4	78,361	3/4	62,583	3/4	46,813	3/4	31,074	3/4	15,297	3/4		3/4	3/4		3/4		3/4
5	93,809	5	78,032	5	62,254	5	46,485	5	30,745	5	14,968	5		5	5		5		5
1/4	93,481	1/4	77,703	1/4	61,926	1/4	46,157	1/4	30,416	1/4	14,639	1/4		1/4	1/4		1/4		1/4
1/2	93,152	1/2	77,375	1/2	61,597	1/2	45,829	1/2	30,087	1/2	14,310	1/2		1/2	1/2		1/2		1/2
3/4	92,823	3/4	77,046	3/4	61,268	3/4	45,502	3/4	29,759	3/4	13,982	3/4		3/4	3/4		3/4		3/4
6	92,495	6	76,717	6	60,940	6	45,174	6	29,430	6	13,653	6		6	6		6		6
1/4	92,166	1/4	76,388	1/4	60,611	1/4	44,847	1/4	29,101	1/4	13,324	1/4		1/4	1/4		1/4		1/4
1/2	91,837	1/2	76,060	1/2	60,282	1/2	44,519	1/2	28,773	1/2	12,996	1/2		1/2	1/2		1/2		1/2
3/4	91,509	3/4	75,731	3/4	59,954	3/4	44,192	3/4	28,444	3/4	12,667	3/4		3/4	3/4		3/4		3/4
7	91,180	7	75,402	7	59,625	7	43,864	7	28,115	7	12,338	7		7	7		7		7
1/4	90,851	1/4	75,074	1/4	59,296	1/4	43,537	1/4	27,787	1/4	12,010	1/4		1/4	1/4		1/4		1/4
1/2	90,522	1/2	74,745	1/2	58,968	1/2	43,209	1/2	27,458	1/2	11,681	1/2		1/2	1/2		1/2		1/2
3/4	90,194	3/4	74,416	3/4	58,639	3/4	42,882	3/4	27,129	3/4	11,352	3/4		3/4	3/4		3/4		3/4
8	89,865	8	74,088	8	58,310	8	42,554	8	26,801	8	11,024	8		8	8		8		8
1/4	89,536	1/4	73,759	1/4	57,981	1/4	42,227	1/4	26,472	1/4	10,695	1/4		1/4	1/4		1/4		1/4
1/2	89,208	1/2	73,430	1/2	57,653	1/2	41,899	1/2	26,143	1/2	10,366	1/2		1/2	1/2		1/2		1/2
3/4	88,879	3/4	73,101	3/4	57,324	3/4	41,572	3/4	25,815	3/4	10,037	3/4		3/4	3/4		3/4		3/4
9	88,550	9	72,773	9	56,995	9	41,244	9	25,486	9	9,709	9		9	9		9		9
1/4	88,222	1/4	72,444	1/4	56,667	1/4	40,917	1/4	25,157	1/4	9,380	1/4		1/4	1/4		1/4		1/4
1/2	87,893	1/2	72,115	1/2	56,338	1/2	40,589	1/2	24,828	1/2	9,051	1/2		1/2	1/2		1/2		1/2
3/4	87,564	3/4	71,787	3/4	56,009	3/4	40,262	3/4	24,500	3/4	8,723	3/4		3/4	3/4		3/4		3/4
10	87,235	10	71,458	10	55,681	10	39,934	10	24,171	10	8,394	10		10	10		10		10
1/4	86,907	1/4	71,129	1/4	55,352	1/4	39,607	1/4	23,842	1/4	8,065	1/4		1/4	1/4		1/4		1/4
1/2	86,578	1/2	70,801	1/2	55,023	1/2	39,279	1/2	23,514	1/2	7,737	1/2		1/2	1/2		1/2		1/2
3/4	86,249	3/4	70,472	3/4	54,694	3/4	38,951	3/4	23,185	3/4	7,408	3/4		3/4	3/4		3/4		3/4
11	85,921	11	70,143	11	54,366	11	38,624	11	22,856	11	7,079	11		11	11		11		11
1/4	85,592	1/4	69,815	1/4	54,037	1/4	38,296	1/4	22,528	1/4	6,751	1/4		1/4	1/4		1/4		1/4
1/2	85,263	1/2	69,486	1/2	53,708	1/2	37,969	1/2	22,199	1/2	6,422	1/2		1/2	1/2		1/2		1/2
3/4	84,935	3/4	69,157	3/4	53,380	3/4	37,640	3/4	21,870	3/4	6,093	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 320"

2 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	204,557	0	189,261	0	173,964	0	158,594	0	143,209	0	127,824	0	112,436
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,239	1/4	188,942	1/4	173,645	1/4	158,273	1/4	142,889	1/4	127,504	1/4	112,116
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,149	1/2	203,920	1/2	188,623	1/2	173,327	1/2	157,953	1/2	142,568	1/2	127,183
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,987	3/4	203,601	3/4	188,305	3/4	173,008	3/4	157,632	3/4	142,248	3/4	126,862
1		1		1		1	217,826	1	203,283	1	187,986	1	172,689	1	157,312	1	141,927	1	126,542
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,610	1/4	202,964	1/4	187,667	1/4	172,371	1/4	156,991	1/4	141,607	1/4	126,221
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,395	1/2	202,645	1/2	187,349	1/2	172,052	1/2	156,671	1/2	141,286	1/2	125,901
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,180	3/4	202,327	3/4	187,030	3/4	171,733	3/4	156,350	3/4	140,966	3/4	125,580
2		2		2		2	216,965	2	202,008	2	186,711	2	171,414	2	156,030	2	140,645	2	125,259
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,698	1/4	201,689	1/4	186,393	1/4	171,093	1/4	155,709	1/4	140,325	1/4	124,939
1/2	1/2	1/2	1/2	1/2	1/2	1/2	216,430	1/2	201,371	1/2	186,074	1/2	170,773	1/2	155,389	1/2	140,004	1/2	124,618
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,163	3/4	201,052	3/4	185,755	3/4	170,452	3/4	155,068	3/4	139,684	3/4	124,298
3		3		3		3	215,895	3	200,733	3	185,437	3	170,132	3	154,748	3	139,363	3	123,977
1/4	1/4	1/4	1/4	1/4	1/4	1/4	215,589	1/4	200,415	1/4	185,118	1/4	169,811	1/4	154,427	1/4	139,043	1/4	123,657
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,282	1/2	200,096	1/2	184,799	1/2	169,491	1/2	154,107	1/2	138,722	1/2	123,336
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,975	3/4	199,777	3/4	184,481	3/4	169,170	3/4	153,786	3/4	138,402	3/4	123,015
4		4		4		4	214,668	4	199,459	4	184,162	4	168,850	4	153,466	4	138,081	4	122,695
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,355	1/4	199,140	1/4	183,843	1/4	168,529	1/4	153,145	1/4	137,761	1/4	122,374
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,043	1/2	198,821	1/2	183,525	1/2	168,209	1/2	152,824	1/2	137,440	1/2	122,054
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,730	3/4	198,503	3/4	183,206	3/4	167,888	3/4	152,504	3/4	137,120	3/4	121,733
5		5		5		5	213,417	5	198,184	5	182,887	5	167,568	5	152,183	5	136,799	5	121,412
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,104	1/4	197,865	1/4	182,569	1/4	167,247	1/4	151,863	1/4	136,479	1/4	121,092
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,790	1/2	197,547	1/2	182,250	1/2	166,927	1/2	151,542	1/2	136,158	1/2	120,771
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,476	3/4	197,228	3/4	181,931	3/4	166,606	3/4	151,222	3/4	135,838	3/4	120,451
6		6		6		6	212,162	6	196,909	6	181,612	6	166,286	6	150,901	6	135,517	6	120,130
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,848	1/4	196,590	1/4	181,294	1/4	165,965	1/4	150,581	1/4	135,197	1/4	119,810
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,533	1/2	196,272	1/2	180,975	1/2	165,645	1/2	150,260	1/2	134,876	1/2	119,489
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,218	3/4	195,953	3/4	180,656	3/4	165,324	3/4	149,940	3/4	134,556	3/4	119,168
7		7		7		7	210,904	7	195,634	7	180,338	7	165,004	7	149,619	7	134,235	7	118,848
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,589	1/4	195,316	1/4	180,019	1/4	164,683	1/4	149,299	1/4	133,915	1/4	118,527
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,274	1/2	194,997	1/2	179,700	1/2	164,363	1/2	148,978	1/2	133,594	1/2	118,207
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,959	3/4	194,678	3/4	179,382	3/4	164,042	3/4	148,658	3/4	133,274	3/4	117,886
8		8		8		8	209,644	8	194,360	8	179,063	8	163,722	8	148,337	8	132,953	8	117,565
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,328	1/4	194,041	1/4	178,744	1/4	163,401	1/4	148,017	1/4	132,633	1/4	117,245
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,013	1/2	193,722	1/2	178,426	1/2	163,081	1/2	147,696	1/2	132,312	1/2	116,924
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,697	3/4	193,404	3/4	178,107	3/4	162,760	3/4	147,376	3/4	131,992	3/4	116,604
9		9		9		9	208,382	9	193,085	9	177,788	9	162,440	9	147,055	9	131,671	9	116,283
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,063	1/4	192,766	1/4	177,470	1/4	162,119	1/4	146,735	1/4	131,351	1/4	115,963
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,744	1/2	192,448	1/2	177,151	1/2	161,799	1/2	146,414	1/2	131,030	1/2	115,642
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,426	3/4	192,129	3/4	176,832	3/4	161,478	3/4	146,094	3/4	130,709	3/4	115,321
10		10		10		10	207,107	10	191,810	10	176,514	10	161,158	10	145,773	10	130,389	10	115,001
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,788	1/4	191,492	1/4	176,195	1/4	160,837	1/4	145,453	1/4	130,068	1/4	114,680
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,470	1/2	191,173	1/2	175,876	1/2	160,517	1/2	145,132	1/2	129,748	1/2	114,360
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,151	3/4	190,854	3/4	175,558	3/4	160,196	3/4	144,812	3/4	129,427	3/4	114,039
11		11		11		11	205,832	11	190,536	11	175,239	11	159,876	11	144,491	11	129,106	11	113,718
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,514	1/4	190,217	1/4	174,920	1/4	159,555	1/4	144,171	1/4	128,786	1/4	113,398
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,195	1/2	189,898	1/2	174,602	1/2	159,235	1/2	143,850	1/2	128,465	1/2	113,077
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,876	3/4	189,579	3/4	174,283	3/4	158,914	3/4	143,530	3/4	128,145	3/4	112,757

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

2 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	97,048	0	81,660	0	66,272	0	50,884	0	35,756	0	20,368	0	4,981	0		0		0	
1/4	96,728	1/4	81,340	1/4	65,952	1/4	50,564	1/4	35,435	1/4	20,048	1/4	4,661	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,407	1/2	81,019	1/2	65,631	1/2	50,245	1/2	35,115	1/2	19,727	1/2	4,341	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,086	3/4	80,698	3/4	65,310	3/4	49,925	3/4	34,794	3/4	19,407	3/4	4,021	3/4	3/4	3/4	3/4	3/4	3/4
1	95,766	1	80,378	1	64,990	1	49,605	1	34,474	1	19,086	1	3,701	1	1	1	1	1	1
1/4	95,445	1/4	80,057	1/4	64,669	1/4	49,291	1/4	34,153	1/4	18,765	1/4	3,387	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,125	1/2	79,737	1/2	64,349	1/2	48,976	1/2	33,832	1/2	18,445	1/2	3,073	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,804	3/4	79,416	3/4	64,028	3/4	48,662	3/4	33,512	3/4	18,124	3/4	2,759	3/4	3/4	3/4	3/4	3/4	3/4
2	94,483	2	79,095	2	63,707	2	48,347	2	33,191	2	17,804	2	2,444	2	2	2	2	2	2
1/4	94,163	1/4	78,775	1/4	63,387	1/4	48,033	1/4	32,871	1/4	17,483	1/4	2,174	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,842	1/2	78,454	1/2	63,066	1/2	47,719	1/2	32,550	1/2	17,163	1/2	1,903	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,522	3/4	78,134	3/4	62,746	3/4	47,405	3/4	32,230	3/4	16,842	3/4	1,633	3/4	3/4	3/4	3/4	3/4	3/4
3	93,201	3	77,813	3	62,425	3	47,090	3	31,909	3	16,521	3	1,363	3	3	3	3	3	3
1/4	92,881	1/4	77,493	1/4	62,105	1/4	46,776	1/4	31,588	1/4	16,201	1/4	1,172	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,560	1/2	77,172	1/2	61,784	1/2	46,462	1/2	31,268	1/2	15,880	1/2	982	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,239	3/4	76,851	3/4	61,463	3/4	46,148	3/4	30,947	3/4	15,560	3/4	792	3/4	3/4	3/4	3/4	3/4	3/4
4	91,919	4	76,531	4	61,143	4	45,834	4	30,627	4	15,239	4	602	4	4	4	4	4	4
1/4	91,598	1/4	76,210	1/4	60,822	1/4	45,520	1/4	30,306	1/4	14,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,278	1/2	75,890	1/2	60,502	1/2	45,206	1/2	29,986	1/2	14,598	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,957	3/4	75,569	3/4	60,181	3/4	44,892	3/4	29,665	3/4	14,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,636	5	75,248	5	59,860	5	44,578	5	29,344	5	13,957	5	5	5	5	5	5	5	5
1/4	90,316	1/4	74,928	1/4	59,540	1/4	44,264	1/4	29,024	1/4	13,636	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,995	1/2	74,607	1/2	59,219	1/2	43,950	1/2	28,703	1/2	13,316	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,675	3/4	74,287	3/4	58,899	3/4	43,636	3/4	28,383	3/4	12,995	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	89,354	6	73,966	6	58,578	6	43,322	6	28,062	6	12,675	6	6	6	6	6	6	6	6
1/4	89,034	1/4	73,646	1/4	58,258	1/4	43,008	1/4	27,742	1/4	12,354	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,713	1/2	73,325	1/2	57,937	1/2	42,694	1/2	27,421	1/2	12,033	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,392	3/4	73,004	3/4	57,616	3/4	42,380	3/4	27,100	3/4	11,713	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,072	7	72,684	7	57,296	7	42,066	7	26,780	7	11,392	7	7	7	7	7	7	7	7
1/4	87,751	1/4	72,363	1/4	56,975	1/4	41,752	1/4	26,459	1/4	11,072	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,431	1/2	72,043	1/2	56,655	1/2	41,438	1/2	26,139	1/2	10,751	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,110	3/4	71,722	3/4	56,334	3/4	41,124	3/4	25,818	3/4	10,431	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,789	8	71,401	8	56,014	8	40,810	8	25,497	8	10,110	8	8	8	8	8	8	8	8
1/4	86,469	1/4	71,081	1/4	55,693	1/4	40,496	1/4	25,177	1/4	9,789	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,148	1/2	70,760	1/2	55,372	1/2	40,182	1/2	24,856	1/2	9,469	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,828	3/4	70,440	3/4	55,052	3/4	39,868	3/4	24,536	3/4	9,148	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,507	9	70,119	9	54,731	9	39,554	9	24,215	9	8,828	9	9	9	9	9	9	9	9
1/4	85,187	1/4	69,799	1/4	54,411	1/4	39,240	1/4	23,895	1/4	8,507	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,866	1/2	69,478	1/2	54,090	1/2	38,926	1/2	23,574	1/2	8,186	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,545	3/4	69,157	3/4	53,769	3/4	38,612	3/4	23,253	3/4	7,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,225	10	68,837	10	53,449	10	38,298	10	22,933	10	7,545	10	10	10	10	10	10	10	10
1/4	83,904	1/4	68,516	1/4	53,128	1/4	37,983	1/4	22,612	1/4	7,225	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,584	1/2	68,196	1/2	52,808	1/2	37,668	1/2	22,292	1/2	6,904	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,263	3/4	67,875	3/4	52,487	3/4	37,353	3/4	21,971	3/4	6,584	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,942	11	67,554	11	52,167	11	37,038	11	21,651	11	6,263	11	11	11	11	11	11	11	11
1/4	82,622	1/4	67,234	1/4	51,846	1/4	36,718	1/4	21,330	1/4	5,943	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,301	1/2	66,913	1/2	51,525	1/2	36,397	1/2	21,009	1/2	5,622	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,981	3/4	66,593	3/4	51,205	3/4	36,076	3/4	20,689	3/4	5,302	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

2 STBD
OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	204,430	0	189,137	0	173,844	0	158,477	0	143,096	0	127,715	0	112,331
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,111	1/4	188,818	1/4	173,525	1/4	158,157	1/4	142,776	1/4	127,395	1/4	112,010
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,018	1/2	203,793	1/2	188,500	1/2	173,207	1/2	157,836	1/2	142,456	1/2	127,074
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,856	3/4	203,474	3/4	188,181	3/4	172,888	3/4	157,516	3/4	142,135	3/4	111,369
1		1		1		1	217,695	1	203,155	1	187,862	1	172,569	1	157,195	1	141,815	1	126,433
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,480	1/4	202,837	1/4	187,544	1/4	172,251	1/4	156,875	1/4	141,494	1/4	126,112
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,265	1/2	202,518	1/2	187,225	1/2	171,932	1/2	156,554	1/2	141,174	1/2	125,792
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,049	3/4	202,200	3/4	186,907	3/4	171,613	3/4	156,234	3/4	140,853	3/4	125,471
2		2		2		2	216,834	2	201,881	2	186,588	2	171,294	2	155,914	2	140,533	2	125,151
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,567	1/4	201,562	1/4	186,269	1/4	170,974	1/4	155,593	1/4	140,213	1/4	124,830
1/2	1/2	1/2	1/2	1/2	1/2	1/2	216,300	1/2	201,244	1/2	185,951	1/2	170,653	1/2	155,273	1/2	139,892	1/2	124,510
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,032	3/4	200,925	3/4	185,632	3/4	170,333	3/4	154,952	3/4	139,572	3/4	124,189
3		3		3		3	215,765	3	200,607	3	185,314	3	170,012	3	154,632	3	139,251	3	123,869
1/4	1/4	1/4	1/4	1/4	1/4	1/4	215,458	1/4	200,288	1/4	184,995	1/4	169,692	1/4	154,311	1/4	138,931	1/4	123,548
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,151	1/2	199,969	1/2	184,676	1/2	169,372	1/2	153,991	1/2	138,611	1/2	123,228
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,845	3/4	199,651	3/4	184,358	3/4	169,051	3/4	153,671	3/4	138,290	3/4	122,907
4		4		4		4	214,538	4	199,332	4	184,039	4	168,731	4	153,350	4	137,970	4	122,587
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,225	1/4	199,014	1/4	183,721	1/4	168,410	1/4	153,030	1/4	137,649	1/4	122,266
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,913	1/2	198,695	1/2	183,402	1/2	168,090	1/2	152,709	1/2	137,329	1/2	121,946
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,600	3/4	198,376	3/4	183,083	3/4	167,769	3/4	152,389	3/4	137,008	3/4	121,625
5		5		5		5	213,287	5	198,058	5	182,765	5	167,449	5	152,068	5	136,688	5	121,305
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,974	1/4	197,739	1/4	182,446	1/4	167,129	1/4	151,748	1/4	136,368	1/4	120,984
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,660	1/2	197,420	1/2	182,128	1/2	166,808	1/2	151,428	1/2	136,047	1/2	120,664
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,346	3/4	197,102	3/4	181,809	3/4	166,488	3/4	151,107	3/4	135,727	3/4	120,343
6		6		6		6	212,033	6	196,783	6	181,490	6	166,167	6	150,787	6	135,406	6	120,023
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,718	1/4	196,465	1/4	181,172	1/4	165,847	1/4	150,466	1/4	135,086	1/4	119,702
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,404	1/2	196,146	1/2	180,853	1/2	165,526	1/2	150,146	1/2	134,765	1/2	119,382
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,089	3/4	195,827	3/4	180,535	3/4	165,206	3/4	149,825	3/4	134,445	3/4	119,061
7		7		7		7	210,775	7	195,509	7	180,216	7	164,886	7	149,505	7	134,125	7	118,741
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,460	1/4	195,190	1/4	179,897	1/4	164,565	1/4	149,185	1/4	133,804	1/4	118,420
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,145	1/2	194,872	1/2	179,579	1/2	164,245	1/2	148,864	1/2	133,484	1/2	118,100
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,830	3/4	194,553	3/4	179,260	3/4	163,924	3/4	148,544	3/4	133,163	3/4	117,779
8		8		8		8	209,515	8	194,234	8	178,942	8	163,604	8	148,223	8	132,843	8	117,459
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,200	1/4	193,916	1/4	178,623	1/4	163,283	1/4	147,903	1/4	132,522	1/4	117,138
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,884	1/2	193,597	1/2	178,304	1/2	162,963	1/2	147,582	1/2	132,202	1/2	116,818
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,569	3/4	193,279	3/4	177,986	3/4	162,643	3/4	147,262	3/4	131,882	3/4	116,497
9		9		9		9	208,253	9	192,960	9	177,667	9	162,322	9	146,942	9	131,561	9	116,177
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,934	1/4	192,641	1/4	177,348	1/4	162,002	1/4	146,621	1/4	131,241	1/4	115,856
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,616	1/2	192,323	1/2	177,030	1/2	161,681	1/2	146,301	1/2	130,920	1/2	115,536
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,297	3/4	192,004	3/4	176,711	3/4	161,361	3/4	145,980	3/4	130,600	3/4	115,215
10		10		10		10	206,979	10	191,686	10	176,393	10	161,040	10	145,660	10	130,279	10	114,895
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,660	1/4	191,367	1/4	176,074	1/4	160,720	1/4	145,339	1/4	129,959	1/4	114,574
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,341	1/2	191,048	1/2	175,755	1/2	160,400	1/2	145,019	1/2	129,638	1/2	114,254
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,023	3/4	190,730	3/4	175,437	3/4	160,079	3/4	144,699	3/4	129,318	3/4	113,933
11		11		11		11	205,704	11	190,411	11	175,118	11	159,759	11	144,378	11	128,997	11	113,613
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,386	1/4	190,093	1/4	174,800	1/4	159,438	1/4	144,058	1/4	128,677	1/4	113,292
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,067	1/2	189,774	1/2	174,481	1/2	159,118	1/2	143,737	1/2	128,356	1/2	112,972
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,748	3/4	189,455	3/4	174,162	3/4	158,797	3/4	143,417	3/4	128,036	3/4	112,651

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

2 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	96,946	0	81,562	0	66,178	0	50,794	0	35,722	0	20,364	0	4,981	0		0		0	
1/4	96,626	1/4	81,242	1/4	65,857	1/4	50,473	1/4	35,408	1/4	20,044	1/4	4,661	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,305	1/2	80,921	1/2	65,537	1/2	50,153	1/2	35,094	1/2	19,723	1/2	4,341	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,985	3/4	80,601	3/4	65,216	3/4	49,833	3/4	34,780	3/4	19,403	3/4	4,021	3/4	3/4	3/4	3/4	3/4	3/4
1	95,664	1	80,280	1	64,896	1	49,513	1	34,466	1	19,082	1	3,701	1	1	1	1	1	1
1/4	95,344	1/4	79,960	1/4	64,575	1/4	49,194	1/4	34,145	1/4	18,762	1/4	3,387	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,023	1/2	79,639	1/2	64,255	1/2	48,875	1/2	33,825	1/2	18,441	1/2	3,073	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,703	3/4	79,319	3/4	63,934	3/4	48,557	3/4	33,504	3/4	18,121	3/4	2,759	3/4	3/4	3/4	3/4	3/4	3/4
2	94,382	2	78,998	2	63,614	2	48,238	2	33,184	2	17,800	2	2,444	2	2	2	2	2	2
1/4	94,062	1/4	78,678	1/4	63,293	1/4	47,920	1/4	32,863	1/4	17,480	1/4	2,174	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,741	1/2	78,357	1/2	62,973	1/2	47,603	1/2	32,543	1/2	17,159	1/2	1,904	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,421	3/4	78,037	3/4	62,652	3/4	47,285	3/4	32,222	3/4	16,839	3/4	1,633	3/4	3/4	3/4	3/4	3/4	3/4
3	93,100	3	77,716	3	62,332	3	46,967	3	31,902	3	16,518	3	1,363	3	3	3	3	3	3
1/4	92,780	1/4	77,396	1/4	62,011	1/4	46,655	1/4	31,581	1/4	16,198	1/4	1,173	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,459	1/2	77,075	1/2	61,691	1/2	46,342	1/2	31,261	1/2	15,877	1/2	982	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,139	3/4	76,755	3/4	61,370	3/4	46,030	3/4	30,940	3/4	15,557	3/4	792	3/4	3/4	3/4	3/4	3/4	3/4
4	91,818	4	76,434	4	61,050	4	45,718	4	30,620	4	15,236	4	602	4	4	4	4	4	4
1/4	91,498	1/4	76,114	1/4	60,729	1/4	45,406	1/4	30,299	1/4	14,916	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,177	1/2	75,793	1/2	60,409	1/2	45,093	1/2	29,979	1/2	14,595	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,857	3/4	75,473	3/4	60,088	3/4	44,781	3/4	29,658	3/4	14,275	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,536	5	75,152	5	59,768	5	44,469	5	29,338	5	13,954	5	5	5	5	5	5	5	5
1/4	90,216	1/4	74,832	1/4	59,447	1/4	44,156	1/4	29,017	1/4	13,634	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,895	1/2	74,511	1/2	59,127	1/2	43,844	1/2	28,697	1/2	13,313	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,575	3/4	74,191	3/4	58,806	3/4	43,532	3/4	28,376	3/4	12,993	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	89,254	6	73,870	6	58,486	6	43,220	6	28,056	6	12,672	6	6	6	6	6	6	6	6
1/4	88,934	1/4	73,550	1/4	58,165	1/4	42,907	1/4	27,735	1/4	12,352	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,613	1/2	73,229	1/2	57,845	1/2	42,595	1/2	27,415	1/2	12,031	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,293	3/4	72,909	3/4	57,524	3/4	42,283	3/4	27,094	3/4	11,711	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,972	7	72,588	7	57,204	7	41,970	7	26,774	7	11,390	7	7	7	7	7	7	7	7
1/4	87,652	1/4	72,268	1/4	56,883	1/4	41,658	1/4	26,453	1/4	11,070	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,331	1/2	71,947	1/2	56,563	1/2	41,346	1/2	26,133	1/2	10,749	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,011	3/4	71,627	3/4	56,242	3/4	41,034	3/4	25,812	3/4	10,429	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,690	8	71,306	8	55,922	8	40,721	8	25,492	8	10,108	8	8	8	8	8	8	8	8
1/4	86,370	1/4	70,986	1/4	55,601	1/4	40,409	1/4	25,171	1/4	9,788	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,049	1/2	70,665	1/2	55,281	1/2	40,097	1/2	24,851	1/2	9,467	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,729	3/4	70,345	3/4	54,960	3/4	39,784	3/4	24,531	3/4	9,147	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,408	9	70,024	9	54,640	9	39,472	9	24,210	9	8,826	9	9	9	9	9	9	9	9
1/4	85,088	1/4	69,704	1/4	54,319	1/4	39,160	1/4	23,890	1/4	8,506	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,767	1/2	69,383	1/2	53,999	1/2	38,848	1/2	23,569	1/2	8,185	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,447	3/4	69,062	3/4	53,678	3/4	38,535	3/4	23,249	3/4	7,865	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,126	10	68,742	10	53,358	10	38,223	10	22,928	10	7,544	10	10	10	10	10	10	10	10
1/4	83,806	1/4	68,421	1/4	53,037	1/4	37,911	1/4	22,608	1/4	7,224	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,485	1/2	68,101	1/2	52,717	1/2	37,598	1/2	22,287	1/2	6,903	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,165	3/4	67,780	3/4	52,396	3/4	37,286	3/4	21,967	3/4	6,583	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,844	11	67,460	11	52,076	11	36,974	11	21,646	11	6,262	11	11	11	11	11	11	11	11
1/4	82,524	1/4	67,139	1/4	51,755	1/4	36,661	1/4	21,326	1/4	5,942	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,203	1/2	66,819	1/2	51,435	1/2	36,348	1/2	21,005	1/2	5,621	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,883	3/4	66,498	3/4	51,114	3/4	36,035	3/4	20,685	3/4	5,301	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBC 320"

3 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	196,058	0	184,107	0	172,156	0	160,149	0	144,872	0	129,302	0	113,731
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,809	1/4	183,858	1/4	171,907	1/4	159,889	1/4	144,548	1/4	128,977	1/4	113,406
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,455	1/2	195,560	1/2	183,609	1/2	171,658	1/2	159,630	1/2	144,223	1/2	128,653
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,365	3/4	195,311	3/4	183,360	3/4	171,409	3/4	159,370	3/4	143,899	3/4	128,329
1		1		1		1	206,274	1	195,062	1	183,111	1	171,160	1	159,111	1	143,574	1	128,004
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,130	1/4	194,813	1/4	182,862	1/4	170,910	1/4	158,787	1/4	143,250	1/4	127,680
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,985	1/2	194,564	1/2	182,613	1/2	170,661	1/2	158,464	1/2	142,926	1/2	127,355
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,840	3/4	194,315	3/4	182,364	3/4	170,412	3/4	158,140	3/4	142,601	3/4	127,031
2		2		2		2	205,696	2	194,066	2	182,115	2	170,163	2	157,816	2	142,277	2	126,707
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,498	1/4	193,817	1/4	181,866	1/4	169,913	1/4	157,493	1/4	141,953	1/4	126,382
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,300	1/2	193,568	1/2	181,617	1/2	169,662	1/2	157,169	1/2	141,628	1/2	126,058
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,102	3/4	193,319	3/4	181,368	3/4	169,412	3/4	156,845	3/4	141,304	3/4	125,733
3		3		3		3	204,905	3	193,070	3	181,119	3	169,162	3	156,522	3	140,979	3	125,409
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,667	1/4	192,821	1/4	180,870	1/4	168,911	1/4	156,198	1/4	140,655	1/4	125,085
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,429	1/2	192,572	1/2	180,621	1/2	168,661	1/2	155,874	1/2	140,331	1/2	124,760
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,191	3/4	192,323	3/4	180,372	3/4	168,411	3/4	155,551	3/4	140,006	3/4	124,436
4		4		4		4	203,953	4	192,074	4	180,123	4	168,160	4	155,227	4	139,682	4	124,111
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,710	1/4	191,825	1/4	179,874	1/4	167,910	1/4	154,904	1/4	139,358	1/4	123,787
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,466	1/2	191,577	1/2	179,625	1/2	167,659	1/2	154,580	1/2	139,033	1/2	123,463
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,222	3/4	191,328	3/4	179,376	3/4	167,409	3/4	154,256	3/4	138,709	3/4	123,138
5		5		5		5	202,979	5	191,079	5	179,127	5	167,159	5	153,933	5	138,384	5	122,814
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,734	1/4	190,830	1/4	178,878	1/4	166,908	1/4	153,609	1/4	138,060	1/4	122,489
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,489	1/2	190,581	1/2	178,629	1/2	166,658	1/2	153,285	1/2	137,736	1/2	122,165
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,244	3/4	190,332	3/4	178,380	3/4	166,408	3/4	152,962	3/4	137,411	3/4	121,841
6		6		6		6	201,999	6	190,083	6	178,131	6	166,157	6	152,638	6	137,087	6	121,516
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,754	1/4	189,834	1/4	177,882	1/4	165,907	1/4	152,315	1/4	136,763	1/4	121,192
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,508	1/2	189,585	1/2	177,633	1/2	165,657	1/2	151,991	1/2	136,438	1/2	120,867
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,262	3/4	189,336	3/4	177,384	3/4	165,406	3/4	151,667	3/4	136,114	3/4	120,543
7		7		7		7	201,017	7	189,087	7	177,135	7	165,156	7	151,344	7	135,790	7	120,219
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,771	1/4	188,838	1/4	176,886	1/4	164,906	1/4	151,020	1/4	135,465	1/4	119,894
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,525	1/2	188,589	1/2	176,637	1/2	164,655	1/2	150,697	1/2	135,141	1/2	119,570
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,279	3/4	188,340	3/4	176,388	3/4	164,405	3/4	150,373	3/4	134,816	3/4	119,245
8		8		8		8	200,033	8	188,091	8	176,139	8	164,155	8	150,049	8	134,492	8	118,921
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,786	1/4	187,842	1/4	175,890	1/4	163,904	1/4	149,726	1/4	134,168	1/4	118,597
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,539	1/2	187,593	1/2	175,641	1/2	163,654	1/2	149,402	1/2	133,843	1/2	118,272
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,293	3/4	187,344	3/4	175,392	3/4	163,403	3/4	149,079	3/4	133,519	3/4	117,948
9		9		9		9	199,046	9	187,095	9	175,143	9	163,153	9	148,755	9	133,195	9	117,623
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,797	1/4	186,846	1/4	174,894	1/4	162,903	1/4	148,432	1/4	132,870	1/4	117,299
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,548	1/2	186,597	1/2	174,645	1/2	162,652	1/2	148,108	1/2	132,546	1/2	116,975
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,299	3/4	186,348	3/4	174,396	3/4	162,402	3/4	147,784	3/4	132,221	3/4	116,650
10		10		10		10	198,050	10	186,099	10	174,147	10	162,152	10	147,461	10	131,897	10	116,326
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,801	1/4	185,850	1/4	173,898	1/4	161,901	1/4	147,137	1/4	131,573	1/4	116,001
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,552	1/2	185,601	1/2	173,650	1/2	161,651	1/2	146,814	1/2	131,248	1/2	115,677
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,303	3/4	185,352	3/4	173,401	3/4	161,401	3/4	146,490	3/4	130,924	3/4	115,353
11		11		11		11	197,054	11	185,103	11	173,152	11	161,150	11	146,167	11	130,599	11	115,028
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,805	1/4	184,854	1/4	172,903	1/4	160,900	1/4	145,843	1/4	130,275	1/4	114,704
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,556	1/2	184,605	1/2	172,654	1/2	160,650	1/2	145,519	1/2	129,951	1/2	114,379
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,307	3/4	184,356	3/4	172,405	3/4	160,399	3/4	145,196	3/4	129,626	3/4	114,055

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 320"

3 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	98,190	0	82,627	0	67,044	0	51,496	0	36,282	0	20,681	0	5,058	0		0		0	
1/4	97,866	1/4	82,303	1/4	66,719	1/4	51,179	1/4	35,957	1/4	20,356	1/4	4,733	1/4		1/4		1/4	
1/2	97,543	1/2	81,978	1/2	66,395	1/2	50,862	1/2	35,633	1/2	20,030	1/2	4,408	1/2		1/2		1/2	
3/4	97,219	3/4	81,653	3/4	66,070	3/4	50,545	3/4	35,308	3/4	19,705	3/4	4,083	3/4		3/4		3/4	
1	96,895	1	81,329	1	65,746	1	50,229	1	34,984	1	19,379	1	3,758	1		1		1	
1/4	96,572	1/4	81,004	1/4	65,421	1/4	49,912	1/4	34,659	1/4	19,054	1/4	3,439	1/4		1/4		1/4	
1/2	96,248	1/2	80,679	1/2	65,096	1/2	49,596	1/2	34,335	1/2	18,728	1/2	3,120	1/2		1/2		1/2	
3/4	95,925	3/4	80,355	3/4	64,772	3/4	49,279	3/4	34,011	3/4	18,403	3/4	2,801	3/4		3/4		3/4	
2	95,601	2	80,030	2	64,447	2	48,963	2	33,686	2	18,077	2	2,482	2		2		2	
1/4	95,278	1/4	79,705	1/4	64,122	1/4	48,646	1/4	33,362	1/4	17,752	1/4	2,207	1/4		1/4		1/4	
1/2	94,954	1/2	79,381	1/2	63,798	1/2	48,330	1/2	33,037	1/2	17,426	1/2	1,933	1/2		1/2		1/2	
3/4	94,631	3/4	79,056	3/4	63,473	3/4	48,014	3/4	32,713	3/4	17,101	3/4	1,658	3/4		3/4		3/4	
3	94,307	3	78,731	3	63,148	3	47,697	3	32,388	3	16,775	3	1,383	3		3		3	
1/4	93,983	1/4	78,407	1/4	62,824	1/4	47,381	1/4	32,064	1/4	16,450	1/4	1,190	1/4		1/4		1/4	
1/2	93,660	1/2	78,082	1/2	62,499	1/2	47,065	1/2	31,739	1/2	16,124	1/2	997	1/2		1/2		1/2	
3/4	93,336	3/4	77,757	3/4	62,174	3/4	46,749	3/4	31,415	3/4	15,799	3/4	804	3/4		3/4		3/4	
4	93,013	4	77,433	4	61,850	4	46,433	4	31,090	4	15,473	4	611	4		4		4	
1/4	92,689	1/4	77,108	1/4	61,525	1/4	46,117	1/4	30,766	1/4	15,148	1/4		1/4		1/4		1/4	
1/2	92,365	1/2	76,783	1/2	61,200	1/2	45,800	1/2	30,441	1/2	14,822	1/2		1/2		1/2		1/2	
3/4	92,042	3/4	76,459	3/4	60,876	3/4	45,484	3/4	30,117	3/4	14,497	3/4		3/4		3/4		3/4	
5	91,718	5	76,134	5	60,551	5	45,168	5	29,792	5	14,171	5		5		5		5	
1/4	91,393	1/4	75,809	1/4	60,226	1/4	44,852	1/4	29,467	1/4	13,846	1/4		1/4		1/4		1/4	
1/2	91,069	1/2	75,485	1/2	59,902	1/2	44,536	1/2	29,143	1/2	13,520	1/2		1/2		1/2		1/2	
3/4	90,744	3/4	75,160	3/4	59,577	3/4	44,220	3/4	28,818	3/4	13,195	3/4		3/4		3/4		3/4	
6	90,419	6	74,835	6	59,252	6	43,904	6	28,494	6	12,869	6		6		6		6	
1/4	90,095	1/4	74,511	1/4	58,928	1/4	43,588	1/4	28,168	1/4	12,544	1/4		1/4		1/4		1/4	
1/2	89,770	1/2	74,186	1/2	58,603	1/2	43,272	1/2	27,843	1/2	12,218	1/2		1/2		1/2		1/2	
3/4	89,445	3/4	73,861	3/4	58,278	3/4	42,956	3/4	27,517	3/4	11,893	3/4		3/4		3/4		3/4	
7	89,121	7	73,537	7	57,954	7	42,640	7	27,192	7	11,567	7		7		7		7	
1/4	88,796	1/4	73,212	1/4	57,629	1/4	42,324	1/4	26,866	1/4	11,242	1/4		1/4		1/4		1/4	
1/2	88,471	1/2	72,887	1/2	57,304	1/2	42,008	1/2	26,541	1/2	10,916	1/2		1/2		1/2		1/2	
3/4	88,147	3/4	72,563	3/4	56,980	3/4	41,692	3/4	26,215	3/4	10,591	3/4		3/4		3/4		3/4	
8	87,822	8	72,238	8	56,655	8	41,375	8	25,890	8	10,265	8		8		8		8	
1/4	87,497	1/4	71,913	1/4	56,330	1/4	41,059	1/4	25,564	1/4	9,940	1/4		1/4		1/4		1/4	
1/2	87,173	1/2	71,589	1/2	56,006	1/2	40,743	1/2	25,239	1/2	9,614	1/2		1/2		1/2		1/2	
3/4	86,848	3/4	71,264	3/4	55,681	3/4	40,427	3/4	24,913	3/4	9,289	3/4		3/4		3/4		3/4	
9	86,523	9	70,939	9	55,356	9	40,111	9	24,588	9	8,963	9		9		9		9	
1/4	86,199	1/4	70,615	1/4	55,032	1/4	39,795	1/4	24,262	1/4	8,638	1/4		1/4		1/4		1/4	
1/2	85,874	1/2	70,290	1/2	54,707	1/2	39,479	1/2	23,937	1/2	8,312	1/2		1/2		1/2		1/2	
3/4	85,549	3/4	69,965	3/4	54,382	3/4	39,163	3/4	23,611	3/4	7,987	3/4		3/4		3/4		3/4	
10	85,225	10	69,641	10	54,058	10	38,847	10	23,286	10	7,661	10		10		10		10	
1/4	84,900	1/4	69,316	1/4	53,734	1/4	38,530	1/4	22,960	1/4	7,336	1/4		1/4		1/4		1/4	
1/2	84,575	1/2	68,991	1/2	53,410	1/2	38,213	1/2	22,635	1/2	7,010	1/2		1/2		1/2		1/2	
3/4	84,251	3/4	68,667	3/4	53,087	3/4	37,897	3/4	22,309	3/4	6,685	3/4		3/4		3/4		3/4	
11	83,926	11	68,342	11	52,763	11	37,580	11	21,984	11	6,359	11		11		11		11	
1/4	83,601	1/4	68,017	1/4	52,446	1/4	37,255	1/4	21,658	1/4	6,034	1/4		1/4		1/4		1/4	
1/2	83,277	1/2	67,693	1/2	52,129	1/2	36,931	1/2	21,333	1/2	5,709	1/2		1/2		1/2		1/2	
3/4	82,952	3/4	67,368	3/4	51,813	3/4	36,606	3/4	21,007	3/4	5,383	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/31/2013 SW
CALCULATED: 01/02/2014 CL
PRINTED: 01/07/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 320"

3 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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		0	195,733	0	183,782	0	171,831	0	159,824	0	144,547	0	128,977	0	113,406
1/4		1/4		1/4		1/4	195,484	1/4	183,533	1/4	171,582	1/4	159,564	1/4	144,223	1/4	128,652	1/4	113,081
1/2		1/2		1/2		1/2	206,130	1/2	195,235	1/2	183,284	1/2	171,333	1/2	159,305	1/2	143,898	1/2	128,328
3/4		3/4		3/4		3/4	206,040	3/4	194,986	3/4	183,035	3/4	171,084	3/4	159,045	3/4	143,574	3/4	112,432
1		1		1		1	205,949	1	194,737	1	182,786	1	170,835	1	158,786	1	143,249	1	127,679
1/4		1/4		1/4		1/4	205,805	1/4	194,488	1/4	182,537	1/4	170,585	1/4	158,462	1/4	142,925	1/4	127,355
1/2		1/2		1/2		1/2	205,660	1/2	194,239	1/2	182,288	1/2	170,336	1/2	158,139	1/2	142,601	1/2	127,030
3/4		3/4		3/4		3/4	205,515	3/4	193,990	3/4	182,039	3/4	170,087	3/4	157,815	3/4	142,276	3/4	126,706
2		2		2		2	205,371	2	193,741	2	181,790	2	169,838	2	157,491	2	141,952	2	126,382
1/4		1/4		1/4		1/4	205,173	1/4	193,492	1/4	181,541	1/4	169,588	1/4	157,168	1/4	141,628	1/4	126,057
1/2		1/2		1/2		1/2	204,975	1/2	193,243	1/2	181,292	1/2	169,337	1/2	156,844	1/2	141,303	1/2	125,733
3/4		3/4		3/4		3/4	204,777	3/4	192,994	3/4	181,043	3/4	169,087	3/4	156,520	3/4	140,979	3/4	125,408
3		3		3		3	204,580	3	192,745	3	180,794	3	168,837	3	156,197	3	140,654	3	125,084
1/4		1/4		1/4		1/4	204,342	1/4	192,496	1/4	180,545	1/4	168,586	1/4	155,873	1/4	140,330	1/4	124,760
1/2		1/2		1/2		1/2	204,104	1/2	192,247	1/2	180,296	1/2	168,336	1/2	155,549	1/2	140,006	1/2	124,435
3/4		3/4		3/4		3/4	203,866	3/4	191,998	3/4	180,047	3/4	168,086	3/4	155,226	3/4	139,681	3/4	124,111
4		4		4		4	203,628	4	191,749	4	179,798	4	167,835	4	154,902	4	139,357	4	123,786
1/4		1/4		1/4		1/4	203,385	1/4	191,500	1/4	179,549	1/4	167,585	1/4	154,579	1/4	139,033	1/4	123,462
1/2		1/2		1/2		1/2	203,141	1/2	191,252	1/2	179,300	1/2	167,334	1/2	154,255	1/2	138,708	1/2	123,138
3/4		3/4		3/4		3/4	202,897	3/4	191,003	3/4	179,051	3/4	167,084	3/4	153,931	3/4	138,384	3/4	122,813
5		5		5		5	202,654	5	190,754	5	178,802	5	166,834	5	153,608	5	138,059	5	122,489
1/4		1/4		1/4		1/4	202,409	1/4	190,505	1/4	178,553	1/4	166,583	1/4	153,284	1/4	137,735	1/4	122,164
1/2		1/2		1/2		1/2	202,164	1/2	190,256	1/2	178,304	1/2	166,333	1/2	152,960	1/2	137,411	1/2	121,840
3/4		3/4		3/4		3/4	201,919	3/4	190,007	3/4	178,055	3/4	166,083	3/4	152,637	3/4	137,086	3/4	121,516
6		6		6		6	201,674	6	189,758	6	177,806	6	165,832	6	152,313	6	136,762	6	121,191
1/4		1/4		1/4		1/4	201,429	1/4	189,509	1/4	177,557	1/4	165,582	1/4	151,990	1/4	136,438	1/4	120,867
1/2		1/2		1/2		1/2	201,183	1/2	189,260	1/2	177,308	1/2	165,332	1/2	151,666	1/2	136,113	1/2	120,542
3/4		3/4		3/4		3/4	200,937	3/4	189,011	3/4	177,059	3/4	165,081	3/4	151,342	3/4	135,789	3/4	120,218
7		7		7		7	200,692	7	188,762	7	176,810	7	164,831	7	151,019	7	135,465	7	119,894
1/4		1/4		1/4		1/4	200,446	1/4	188,513	1/4	176,561	1/4	164,581	1/4	150,695	1/4	135,140	1/4	119,569
1/2		1/2		1/2		1/2	200,200	1/2	188,264	1/2	176,312	1/2	164,330	1/2	150,372	1/2	134,816	1/2	119,245
3/4		3/4		3/4		3/4	199,954	3/4	188,015	3/4	176,063	3/4	164,080	3/4	150,048	3/4	134,491	3/4	118,920
8		8		8		8	199,708	8	187,766	8	175,814	8	163,830	8	149,724	8	134,167	8	118,596
1/4		1/4		1/4		1/4	199,461	1/4	187,517	1/4	175,565	1/4	163,579	1/4	149,401	1/4	133,843	1/4	118,272
1/2		1/2		1/2		1/2	199,214	1/2	187,268	1/2	175,316	1/2	163,329	1/2	149,077	1/2	133,518	1/2	117,947
3/4		3/4		3/4		3/4	198,968	3/4	187,019	3/4	175,067	3/4	163,078	3/4	148,754	3/4	133,194	3/4	117,623
9		9		9		9	198,721	9	186,770	9	174,818	9	162,828	9	148,430	9	132,870	9	117,298
1/4		1/4		1/4		1/4	198,472	1/4	186,521	1/4	174,569	1/4	162,578	1/4	148,107	1/4	132,545	1/4	116,974
1/2		1/2		1/2		1/2	198,223	1/2	186,272	1/2	174,320	1/2	162,327	1/2	147,783	1/2	132,221	1/2	116,650
3/4		3/4		3/4		3/4	197,974	3/4	186,023	3/4	174,071	3/4	162,077	3/4	147,459	3/4	131,896	3/4	116,325
10		10		10		10	197,725	10	185,774	10	173,822	10	161,827	10	147,136	10	131,572	10	116,001
1/4		1/4		1/4		1/4	197,476	1/4	185,525	1/4	173,573	1/4	161,576	1/4	146,812	1/4	131,248	1/4	115,676
1/2		1/2		1/2		1/2	197,227	1/2	185,276	1/2	173,325	1/2	161,326	1/2	146,489	1/2	130,923	1/2	115,352
3/4		3/4		3/4		3/4	196,978	3/4	185,027	3/4	173,076	3/4	161,076	3/4	146,165	3/4	130,599	3/4	115,028
11		11		11		11	196,729	11	184,778	11	172,827	11	160,825	11	145,842	11	130,274	11	114,703
1/4		1/4		1/4		1/4	196,480	1/4	184,529	1/4	172,578	1/4	160,575	1/4	145,518	1/4	129,950	1/4	114,379
1/2		1/2		1/2		1/2	196,231	1/2	184,280	1/2	172,329	1/2	160,325	1/2	145,194	1/2	129,626	1/2	114,054
3/4		3/4		3/4		3/4	195,982	3/4	184,031	3/4	172,080	3/4	160,074	3/4	144,871	3/4	129,301	3/4	113,730

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 320"

3 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	97,865	0	82,302	0	66,719	0	51,198	0	36,283	0	20,682	0	5,058	0		0		0	
1/4	97,541	1/4	81,978	1/4	66,394	1/4	50,888	1/4	35,958	1/4	20,357	1/4	4,733	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,218	1/2	81,653	1/2	66,070	1/2	50,577	1/2	35,634	1/2	20,031	1/2	4,409	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,894	3/4	81,328	3/4	65,745	3/4	50,267	3/4	35,309	3/4	19,706	3/4	4,084	3/4	3/4	3/4	3/4	3/4	3/4
1	96,570	1	81,004	1	65,421	1	49,956	1	34,985	1	19,380	1	3,759	1	1	1	1	1	1
1/4	96,247	1/4	80,679	1/4	65,096	1/4	49,646	1/4	34,660	1/4	19,055	1/4	3,440	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,923	1/2	80,354	1/2	64,771	1/2	49,336	1/2	34,336	1/2	18,729	1/2	3,121	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,600	3/4	80,030	3/4	64,447	3/4	49,025	3/4	34,011	3/4	18,404	3/4	2,802	3/4	3/4	3/4	3/4	3/4	3/4
2	95,276	2	79,705	2	64,122	2	48,715	2	33,687	2	18,078	2	2,482	2	2	2	2	2	2
1/4	94,953	1/4	79,380	1/4	63,797	1/4	48,406	1/4	33,362	1/4	17,753	1/4	2,208	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,629	1/2	79,056	1/2	63,473	1/2	48,096	1/2	33,038	1/2	17,427	1/2	1,933	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,306	3/4	78,731	3/4	63,148	3/4	47,786	3/4	32,713	3/4	17,102	3/4	1,659	3/4	3/4	3/4	3/4	3/4	3/4
3	93,982	3	78,406	3	62,823	3	47,477	3	32,389	3	16,776	3	1,384	3	3	3	3	3	3
1/4	93,658	1/4	78,082	1/4	62,499	1/4	47,168	1/4	32,064	1/4	16,451	1/4	1,191	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,335	1/2	77,757	1/2	62,174	1/2	46,859	1/2	31,740	1/2	16,125	1/2	998	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,011	3/4	77,432	3/4	61,849	3/4	46,549	3/4	31,415	3/4	15,800	3/4	804	3/4	3/4	3/4	3/4	3/4	3/4
4	92,688	4	77,108	4	61,525	4	46,240	4	31,091	4	15,474	4	611	4	4	4	4	4	4
1/4	92,364	1/4	76,783	1/4	61,200	1/4	45,931	1/4	30,766	1/4	15,149	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,040	1/2	76,458	1/2	60,875	1/2	45,622	1/2	30,442	1/2	14,823	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,717	3/4	76,134	3/4	60,551	3/4	45,313	3/4	30,117	3/4	14,498	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,393	5	75,809	5	60,226	5	45,003	5	29,793	5	14,172	5	5	5	5	5	5	5	5
1/4	91,068	1/4	75,484	1/4	59,901	1/4	44,694	1/4	29,468	1/4	13,847	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,744	1/2	75,160	1/2	59,577	1/2	44,385	1/2	29,143	1/2	13,521	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,419	3/4	74,835	3/4	59,252	3/4	44,076	3/4	28,819	3/4	13,196	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,094	6	74,510	6	58,927	6	43,767	6	28,494	6	12,870	6	6	6	6	6	6	6	6
1/4	89,770	1/4	74,186	1/4	58,603	1/4	43,458	1/4	28,169	1/4	12,545	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,445	1/2	73,861	1/2	58,278	1/2	43,148	1/2	27,843	1/2	12,219	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,120	3/4	73,536	3/4	57,953	3/4	42,839	3/4	27,518	3/4	11,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,796	7	73,212	7	57,629	7	42,530	7	27,192	7	11,568	7	7	7	7	7	7	7	7
1/4	88,471	1/4	72,887	1/4	57,304	1/4	42,221	1/4	26,867	1/4	11,242	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,146	1/2	72,562	1/2	56,979	1/2	41,912	1/2	26,541	1/2	10,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,822	3/4	72,238	3/4	56,655	3/4	41,603	3/4	26,216	3/4	10,591	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,497	8	71,913	8	56,330	8	41,294	8	25,890	8	10,266	8	8	8	8	8	8	8	8
1/4	87,172	1/4	71,588	1/4	56,005	1/4	40,984	1/4	25,565	1/4	9,940	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,848	1/2	71,264	1/2	55,681	1/2	40,675	1/2	25,239	1/2	9,615	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,523	3/4	70,939	3/4	55,356	3/4	40,366	3/4	24,914	3/4	9,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,198	9	70,614	9	55,031	9	40,057	9	24,588	9	8,964	9	9	9	9	9	9	9	9
1/4	85,874	1/4	70,290	1/4	54,707	1/4	39,748	1/4	24,263	1/4	8,638	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,549	1/2	69,965	1/2	54,382	1/2	39,439	1/2	23,937	1/2	8,313	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,224	3/4	69,640	3/4	54,057	3/4	39,130	3/4	23,612	3/4	7,987	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,900	10	69,316	10	53,733	10	38,820	10	23,286	10	7,662	10	10	10	10	10	10	10	10
1/4	84,575	1/4	68,991	1/4	53,410	1/4	38,510	1/4	22,961	1/4	7,336	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,250	1/2	68,666	1/2	53,087	1/2	38,199	1/2	22,635	1/2	7,011	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,926	3/4	68,342	3/4	52,764	3/4	37,889	3/4	22,310	3/4	6,685	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,601	11	68,017	11	52,441	11	37,578	11	21,984	11	6,360	11	11	11	11	11	11	11	11
1/4	83,276	1/4	67,692	1/4	52,130	1/4	37,254	1/4	21,659	1/4	6,035	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,952	1/2	67,368	1/2	51,820	1/2	36,930	1/2	21,333	1/2	5,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,627	3/4	67,043	3/4	51,509	3/4	36,606	3/4	21,008	3/4	5,384	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: 01/02/2014 CL
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ALL PRIOR TO 01/2014

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