

6/11/2025



BARGE "IB 1319" 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 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-03"

March 31, 2020

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

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BARGE "IB 1319"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 16'-02"																	
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	230	0	11,085	0	22,984	0	34,671	0	46,422	0	58,299	0	70,177	0	82,016	0	93,899	0	105,781
1/4	304	1/4	11,333	1/4	23,232	1/4	35,149	1/4	46,669	1/4	58,547	1/4	70,424	1/4	82,264	1/4	94,146	1/4	106,028
1/2	379	1/2	11,581	1/2	23,479	1/2	35,419	1/2	46,917	1/2	58,794	1/2	70,672	1/2	82,511	1/2	94,394	1/2	106,276
3/4	453	3/4	11,829	3/4	23,727	3/4	35,388	3/4	47,164	3/4	59,042	3/4	70,919	3/4	82,759	3/4	94,641	3/4	106,523
1	528	1	12,077	1	23,974	1	35,627	1	47,412	1	59,289	1	71,167	1	83,007	1	94,889	1	106,771
1/4	698	1/4	12,325	1/4	24,222	1/4	35,886	1/4	47,659	1/4	59,537	1/4	71,414	1/4	83,254	1/4	95,136	1/4	107,019
1/2	868	1/2	12,573	1/2	24,470	1/2	36,105	1/2	47,907	1/2	59,784	1/2	71,661	1/2	83,502	1/2	95,384	1/2	107,266
3/4	1,038	3/4	12,821	3/4	24,717	3/4	36,344	3/4	48,154	3/4	60,031	3/4	71,908	3/4	83,749	3/4	95,631	3/4	107,514
2	1,208	2	13,069	2	24,965	2	36,583	2	48,401	2	60,279	2	72,156	2	83,997	2	95,872	2	107,761
1/4	1,446	1/4	13,317	1/4	25,212	1/4	36,822	1/4	48,649	1/4	60,526	1/4	72,402	1/4	84,244	1/4	96,117	1/4	108,009
1/2	1,683	1/2	13,565	1/2	25,460	1/2	37,061	1/2	48,896	1/2	60,774	1/2	72,649	1/2	84,492	1/2	96,374	1/2	108,256
3/4	1,920	3/4	13,813	3/4	25,708	3/4	37,300	3/4	49,144	3/4	61,021	3/4	72,895	3/4	84,739	3/4	96,622	3/4	108,504
3	2,158	3	14,062	3	25,955	3	37,539	3	49,391	3	61,269	3	73,141	3	84,987	3	96,869	3	108,751
1/4	2,405	1/4	14,310	1/4	26,203	1/4	37,780	1/4	49,639	1/4	61,516	1/4	73,388	1/4	85,234	1/4	97,117	1/4	109,009
1/2	2,652	1/2	14,558	1/2	26,450	1/2	38,021	1/2	49,886	1/2	61,764	1/2	73,634	1/2	85,482	1/2	97,364	1/2	109,257
3/4	2,899	3/4	14,806	3/4	26,698	3/4	38,262	3/4	50,134	3/4	62,011	3/4	73,881	3/4	85,730	3/4	97,612	3/4	109,494
4	3,146	4	15,054	4	26,946	4	38,503	4	50,381	4	62,259	4	74,127	4	85,977	4	97,859	4	109,742
1/4	3,394	1/4	15,302	1/4	27,193	1/4	38,751	1/4	50,628	1/4	62,506	1/4	74,374	1/4	86,225	1/4	98,107	1/4	109,989
1/2	3,642	1/2	15,550	1/2	27,441	1/2	38,998	1/2	50,876	1/2	62,753	1/2	74,620	1/2	86,472	1/2	98,354	1/2	110,237
3/4	3,890	3/4	15,798	3/4	27,688	3/4	39,246	3/4	51,123	3/4	63,001	3/4	74,867	3/4	86,720	3/4	98,602	3/4	110,485
5	4,138	5	16,046	5	27,936	5	39,493	5	51,371	5	63,248	5	75,113	5	86,967	5	98,850	5	110,732
1/4	4,386	1/4	16,294	1/4	28,182	1/4	39,741	1/4	51,618	1/4	63,496	1/4	75,360	1/4	87,215	1/4	99,097	1/4	110,979
1/2	4,634	1/2	16,542	1/2	28,428	1/2	39,988	1/2	51,866	1/2	63,743	1/2	75,606	1/2	87,462	1/2	99,345	1/2	111,227
3/4	4,882	3/4	16,790	3/4	28,674	3/4	40,236	3/4	52,113	3/4	63,991	3/4	75,853	3/4	87,710	3/4	99,592	3/4	111,474
6	5,130	6	17,038	6	28,920	6	40,483	6	52,361	6	64,239	6	76,099	6	87,957	6	99,840	6	111,722
1/4	5,378	1/4	17,286	1/4	29,161	1/4	40,731	1/4	52,608	1/4	64,486	1/4	76,346	1/4	88,205	1/4	100,087	1/4	111,970
1/2	5,626	1/2	17,534	1/2	29,402	1/2	40,978	1/2	52,855	1/2	64,733	1/2	76,592	1/2	88,453	1/2	100,335	1/2	112,217
3/4	5,874	3/4	17,782	3/4	29,643	3/4	41,225	3/4	53,103	3/4	64,980	3/4	76,839	3/4	88,700	3/4	100,582	3/4	112,465
7	6,122	7	18,030	7	29,884	7	41,473	7	53,350	7	65,228	7	77,085	7	88,948	7	100,830	7	112,712
1/4	6,371	1/4	18,278	1/4	30,125	1/4	41,720	1/4	53,598	1/4	65,475	1/4	77,332	1/4	89,195	1/4	101,077	1/4	112,960
1/2	6,619	1/2	18,526	1/2	30,366	1/2	41,968	1/2	53,845	1/2	65,723	1/2	77,578	1/2	89,443	1/2	101,325	1/2	113,207
3/4	6,867	3/4	18,774	3/4	30,606	3/4	42,215	3/4	54,093	3/4	65,970	3/4	77,825	3/4	89,690	3/4	101,573	3/4	113,455
8	7,115	8	19,022	8	30,847	8	42,463	8	54,340	8	66,218	8	78,071	8	89,938	8	101,820	8	113,702
1/4	7,363	1/4	19,270	1/4	31,086	1/4	42,710	1/4	54,588	1/4	66,465	1/4	78,318	1/4	90,185	1/4	102,068	1/4	113,950
1/2	7,611	1/2	19,518	1/2	31,325	1/2	42,958	1/2	54,835	1/2	66,713	1/2	78,564	1/2	90,433	1/2	102,315	1/2	114,197
3/4	7,859	3/4	19,765	3/4	31,564	3/4	43,205	3/4	55,083	3/4	66,960	3/4	78,811	3/4	90,680	3/4	102,563	3/4	114,445
9	8,107	9	20,013	9	31,803	9	43,452	9	55,330	9	67,207	9	79,057	9	90,928	9	102,810	9	114,693
1/4	8,355	1/4	20,260	1/4	32,042	1/4	43,700	1/4	55,577	1/4	67,455	1/4	79,304	1/4	91,176	1/4	103,058	1/4	114,940
1/2	8,604	1/2	20,508	1/2	32,281	1/2	43,947	1/2	55,822	1/2	67,702	1/2	79,550	1/2	91,423	1/2	103,305	1/2	115,187
3/4	8,852	3/4	20,756	3/4	32,520	3/4	44,195	3/4	56,072	3/4	67,950	3/4	79,797	3/4	91,671	3/4	103,553	3/4	115,435
10	9,100	10	21,003	10	32,759	10	44,442	10	56,320	10	68,197	10	80,043	10	91,918	10	103,800	10	115,682
1/4	9,348	1/4	21,251	1/4	32,998	1/4	44,690	1/4	56,567	1/4	68,445	1/4	80,290	1/4	92,166	1/4	104,048	1/4	115,930
1/2	9,596	1/2	21,498	1/2	33,237	1/2	44,937	1/2	56,815	1/2	68,692	1/2	80,536	1/2	92,413	1/2	104,296	1/2	116,177
3/4	9,844	3/4	21,746	3/4	33,476	3/4	45,185	3/4	57,062	3/4	68,940	3/4	80,783	3/4	92,661	3/4	104,543	3/4	116,424
11	10,092	11	21,994	11	33,715	11	45,432	11	57,310	11	69,187	11	81,029	11	92,908	11	104,791	11	116,671
1/4	10,340	1/4	22,241	1/4	33,954	1/4	45,679	1/4	57,557	1/4	69,435	1/4	81,276	1/4	93,156	1/4	105,038	1/4	116,918
1/2	10,588	1/2	22,489	1/2	34,193	1/2	45,927	1/2	57,804	1/2	69,682	1/2	81,523	1/2	93,404	1/2	105,286	1/2	117,166
3/4	10,836	3/4	22,736	3/4	34,432	3/4	46,174	3/4	58,052	3/4	69,929	3/4	81,770	3/4	93,651	3/4	105,533	3/4	117,413

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NMMS 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 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30"-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1319"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

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	117,660	0	128,708	0	138,872	0	149,035	0	159,199	0	169,335	0	179,480	0	189,625	0	199,770	0	209,915
1/4	117,907	1/4	128,920	1/4	139,083	1/4	149,247	1/4	159,410	1/4	169,574	1/4	179,737	1/4	189,900	1/4	199,063	1/4	209,226
1/2	118,154	1/2	129,132	1/2	139,295	1/2	149,459	1/2	159,622	1/2	169,785	1/2	179,948	1/2	190,111	1/2	200,274	1/2	210,437
3/4	118,402	3/4	129,343	3/4	139,507	3/4	149,670	3/4	159,834	3/4	169,997	3/4	180,160	3/4	190,323	3/4	200,486	3/4	210,649
1	118,649	1	129,555	1	139,719	1	149,882	1	160,046	1	170,209	1	180,372	1	190,535	1	200,698	1	210,861
1/4	118,896	1/4	129,767	1/4	139,930	1/4	150,094	1/4	160,257	1/4	170,420	1/4	180,583	1/4	190,746	1/4	200,909	1/4	211,072
1/2	119,143	1/2	129,979	1/2	140,142	1/2	150,306	1/2	160,469	1/2	170,632	1/2	180,795	1/2	190,958	1/2	201,121	1/2	211,284
3/4	119,390	3/4	130,190	3/4	140,354	3/4	150,517	3/4	160,680	3/4	170,843	3/4	181,006	3/4	191,169	3/4	201,332	3/4	211,495
1	119,637	1	130,402	1	140,566	1	150,729	1	160,893	1	171,056	1	181,219	1	191,382	1	201,545	1	211,708
1/4	119,885	1/4	130,614	1/4	140,777	1/4	150,941	1/4	161,104	1/4	171,267	1/4	181,430	1/4	191,593	1/4	201,756	1/4	211,919
1/2	120,132	1/2	130,826	1/2	140,989	1/2	151,153	1/2	161,316	1/2	171,479	1/2	181,642	1/2	191,805	1/2	201,968	1/2	212,131
3/4	120,379	3/4	131,037	3/4	141,201	3/4	151,364	3/4	161,528	3/4	171,691	3/4	181,854	3/4	192,017	3/4	202,180	3/4	212,343
1	120,626	1	131,249	1	141,413	1	151,576	1	161,740	1	171,903	1	182,066	1	192,229	1	202,392	1	212,505
1/4	120,873	1/4	131,461	1/4	141,624	1/4	151,788	1/4	161,951	1/4	172,114	1/4	182,277	1/4	192,440	1/4	202,603	1/4	212,766
1/2	121,121	1/2	131,672	1/2	141,836	1/2	151,999	1/2	162,163	1/2	172,326	1/2	182,489	1/2	192,652	1/2	202,815	1/2	212,978
3/4	121,368	3/4	131,884	3/4	142,048	3/4	152,211	3/4	162,375	3/4	172,538	3/4	182,701	3/4	192,864	3/4	203,027	3/4	213,140
1	121,615	1	132,096	1	142,259	1	152,423	1	162,586	1	172,749	1	182,912	1	193,075	1	203,238	1	213,403
1/4	121,862	1/4	132,308	1/4	142,471	1/4	152,635	1/4	162,798	1/4	172,961	1/4	183,124	1/4	193,287	1/4	203,450	1/4	213,616
1/2	122,109	1/2	132,519	1/2	142,683	1/2	152,846	1/2	163,010	1/2	173,173	1/2	183,336	1/2	193,500	1/2	203,663	1/2	213,829
3/4	122,357	3/4	132,731	3/4	142,895	3/4	153,058	3/4	163,222	3/4	173,385	3/4	183,548	3/4	193,712	3/4	203,875	3/4	213,992
1	122,604	1	132,943	1	143,106	1	153,270	1	163,433	1	173,596	1	183,759	1	193,922	1	204,088	1	214,155
1/4	122,847	1/4	133,155	1/4	143,318	1/4	153,482	1/4	163,645	1/4	173,808	1/4	183,971	1/4	194,134	1/4	204,297	1/4	214,322
1/2	123,089	1/2	133,366	1/2	143,530	1/2	153,693	1/2	163,857	1/2	174,021	1/2	184,184	1/2	194,347	1/2	204,510	1/2	214,489
3/4	123,332	3/4	133,578	3/4	143,742	3/4	153,905	3/4	164,069	3/4	174,232	3/4	184,395	3/4	194,558	3/4	204,721	3/4	214,652
1	123,574	1	133,790	1	143,953	1	154,117	1	164,280	1	174,443	1	184,606	1	194,769	1	204,932	1	214,815
1/4	123,799	1/4	134,002	1/4	144,165	1/4	154,329	1/4	164,492	1/4	174,655	1/4	184,818	1/4	194,981	1/4	205,144	1/4	214,978
1/2	124,024	1/2	134,213	1/2	144,377	1/2	154,540	1/2	164,704	1/2	174,867	1/2	185,030	1/2	195,193	1/2	205,356	1/2	215,140
3/4	124,249	3/4	134,425	3/4	144,589	3/4	154,752	3/4	164,916	3/4	175,079	3/4	185,242	3/4	195,405	3/4	205,569	3/4	215,303
1	124,473	1	134,637	1	144,800	1	154,964	1	165,127	1	175,290	1	185,453	1	195,616	1	205,780	1	215,466
1/4	124,685	1/4	134,849	1/4	145,012	1/4	155,176	1/4	165,339	1/4	175,502	1/4	185,665	1/4	195,828	1/4	205,991	1/4	215,629
1/2	124,897	1/2	135,060	1/2	145,224	1/2	155,387	1/2	165,551	1/2	175,714	1/2	185,877	1/2	196,040	1/2	206,203	1/2	215,792
3/4	125,109	3/4	135,272	3/4	145,436	3/4	155,599	3/4	165,763	3/4	175,926	3/4	186,089	3/4	196,252	3/4	206,415	3/4	215,955
1	125,320	1	135,484	1	145,647	1	155,811	1	165,974	1	176,137	1	186,300	1	196,463	1	206,626	1	216,118
1/4	125,532	1/4	135,696	1/4	145,859	1/4	156,023	1/4	166,186	1/4	176,349	1/4	186,512	1/4	196,675	1/4	206,838	1/4	216,280
1/2	125,744	1/2	135,907	1/2	146,071	1/2	156,234	1/2	166,398	1/2	176,561	1/2	186,724	1/2	196,887	1/2	207,050	1/2	216,443
3/4	125,956	3/4	136,119	3/4	146,283	3/4	156,446	3/4	166,609	3/4	176,772	3/4	186,935	3/4	197,098	3/4	207,212	3/4	216,606
1	126,167	1	136,331	1	146,494	1	156,658	1	166,821	1	176,984	1	187,147	1	197,310	1	207,475	1	216,769
1/4	126,379	1/4	136,543	1/4	146,706	1/4	156,869	1/4	167,032	1/4	177,195	1/4	187,358	1/4	197,521	1/4	207,638	1/4	216,932
1/2	126,591	1/2	136,754	1/2	146,918	1/2	157,081	1/2	167,243	1/2	177,406	1/2	187,569	1/2	197,732	1/2	207,805	1/2	217,095
3/4	126,802	3/4	136,966	3/4	147,129	3/4	157,293	3/4	167,455	3/4	177,618	3/4	187,781	3/4	197,944	3/4	208,108	3/4	217,258
1	127,014	1	137,178	1	147,341	1	157,505	1	167,668	1	177,831	1	187,994	1	198,157	1	208,321	1	217,421
1/4	127,226	1/4	137,389	1/4	147,553	1/4	157,716	1/4	167,878	1/4	178,041	1/4	188,204	1/4	198,367	1/4	208,534	1/4	217,584
1/2	127,438	1/2	137,601	1/2	147,765	1/2	157,928	1/2	168,091	1/2	178,254	1/2	188,417	1/2	198,580	1/2	208,747	1/2	217,747
3/4	127,649	3/4	137,813	3/4	147,976	3/4	158,140	3/4	168,303	3/4	178,466	3/4	188,629	3/4	198,792	3/4	208,910	3/4	217,910
1	127,861	1	138,026	1	148,188	1	158,352	1	168,516	1	178,679	1	188,842	1	199,005	1	209,168	1	218,072
1/4	128,073	1/4	138,236	1/4	148,400	1/4	158,563	1/4	168,726	1/4	178,889	1/4	189,052	1/4	199,215	1/4	209,378	1/4	218,235
1/2	128,285	1/2	138,448	1/2	148,612	1/2	158,775	1/2	168,938	1/2	179,101	1/2	189,264	1/2	199,427	1/2	209,590	1/2	218,400
3/4	128,496	3/4	138,660	3/4	148,823	3/4	158,987	3/4	169,150	3/4	179,313	3/4	189,476	3/4	199,639	3/4	209,802	3/4	218,563

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL
 CALCULATED: 03/31/2020 CL
 PRINTED: 03/31/2020 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/20/20

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



BARGE "IB 1319"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-02"											
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	74	0	9,456	0	19,749	0	29,883	0	40,083	0	50,376	0	60,670	0	70,963	0	81,257	0	91,551				
1/4	138	1/2	9,670	1/4	19,964	1/2	30,301	3/4	40,297	1/2	50,591	1/4	60,884	1/2	71,178	3/4	81,472	1/2	91,765				
1/2	202	3/4	9,885	1/2	20,178	1/2	30,508	1/2	40,512	3/4	50,805	1/2	61,099	1/2	71,392	3/4	81,686	1/2	91,980				
3/4	267	1	10,089	3/4	20,392	3/4	30,508	1	40,726	1	51,020	3/4	61,313	1	71,607	3/4	81,900	1	92,194				
1	331	1	10,314	1	20,607	1	30,716	1	40,940	1	51,234	1	61,528	1	71,821	1	82,115	1	92,409				
1/4	478	1/4	10,528	1/4	20,821	1/4	30,924	1/4	41,155	1/4	51,449	1/4	61,742	1/4	72,036	1/4	82,329	1/4	92,623				
1/2	625	1/2	10,743	1/2	21,036	1/2	31,132	1/2	41,369	1/2	51,663	1/2	61,957	1/2	72,250	1/2	82,544	1/2	92,837				
3/4	772	3/4	10,957	3/4	21,250	3/4	31,340	3/4	41,584	3/4	51,877	3/4	62,171	3/4	72,465	3/4	82,758	3/4	93,052				
1	920	1	11,172	1	21,465	1	31,549	1	41,798	1	52,092	1	62,385	1	72,679	1	82,973	1	93,266				
1/4	1,125	1/4	11,386	1/4	21,679	1/4	31,757	1/4	42,013	1/4	52,306	1/4	62,600	1/4	72,894	1/4	83,187	1/4	93,481				
1/2	1,330	1/2	11,600	1/2	21,894	1/2	31,965	1/2	42,227	1/2	52,521	1/2	62,814	1/2	73,108	1/2	83,402	1/2	93,695				
3/4	1,535	3/4	11,815	3/4	22,108	3/4	32,173	3/4	42,442	3/4	52,735	3/4	63,029	3/4	73,322	3/4	83,616	3/4	93,910				
1	1,740	1	12,029	1	22,322	1	32,381	1	42,656	1	52,950	1	63,243	1	73,537	1	83,830	1	94,124				
1/4	1,954	1/4	12,244	1/4	22,537	1/4	32,591	1/4	42,871	1/4	53,164	1/4	63,458	1/4	73,751	1/4	84,045	1/4	94,339				
1/2	2,167	1/2	12,458	1/2	22,751	1/2	32,801	1/2	43,085	1/2	53,379	1/2	63,672	1/2	73,966	1/2	84,259	1/2	94,553				
3/4	2,381	3/4	12,673	3/4	22,966	3/4	33,011	3/4	43,299	3/4	53,593	3/4	63,887	3/4	74,180	3/4	84,474	3/4	94,767				
1	2,595	1	12,887	1	23,180	1	33,220	1	43,514	1	53,807	1	64,101	1	74,395	1	84,688	1	94,982				
1/4	2,809	1/4	13,102	1/4	23,395	1/4	33,435	1/4	43,728	1/4	54,022	1/4	64,316	1/4	74,609	1/4	84,903	1/4	95,196				
1/2	3,023	1/2	13,316	1/2	23,609	1/2	33,649	1/2	43,943	1/2	54,236	1/2	64,530	1/2	74,824	1/2	85,117	1/2	95,411				
3/4	3,237	3/4	13,530	3/4	23,824	3/4	33,864	3/4	44,157	3/4	54,451	3/4	64,744	3/4	75,038	3/4	85,332	3/4	95,625				
1	3,452	1	13,745	1	24,038	1	34,078	1	44,372	1	54,665	1	64,959	1	75,252	1	85,546	1	95,840				
1/4	3,666	1/4	13,959	1/4	24,251	1/4	34,293	1/4	44,586	1/4	54,880	1/4	65,173	1/4	75,467	1/4	85,761	1/4	96,054				
1/2	3,881	1/2	14,174	1/2	24,464	1/2	34,507	1/2	44,801	1/2	55,094	1/2	65,388	1/2	75,681	1/2	85,975	1/2	96,269				
3/4	4,095	3/4	14,388	3/4	24,676	3/4	34,721	3/4	45,015	3/4	55,309	3/4	65,602	3/4	75,896	3/4	86,189	3/4	96,483				
1	4,309	1	14,603	1	24,889	1	34,936	1	45,229	1	55,523	1	65,817	1	76,110	1	86,404	1	96,698				
1/4	4,524	1/4	14,817	1/4	25,097	1/4	35,150	1/4	45,444	1/4	55,738	1/4	66,031	1/4	76,325	1/4	86,618	1/4	96,912				
1/2	4,738	1/2	15,031	1/2	25,305	1/2	35,365	1/2	45,658	1/2	55,952	1/2	66,246	1/2	76,539	1/2	86,832	1/2	97,126				
3/4	4,953	3/4	15,246	3/4	25,513	3/4	35,579	3/4	45,873	3/4	56,166	3/4	66,460	3/4	76,754	3/4	87,047	3/4	97,341				
1	5,167	1	15,460	1	25,721	1	35,794	1	46,087	1	56,381	1	66,674	1	76,968	1	87,262	1	97,555				
1/4	5,382	1/4	15,675	1/4	25,929	1/4	36,008	1/4	46,302	1/4	56,595	1/4	66,889	1/4	77,183	1/4	87,476	1/4	97,770				
1/2	5,596	1/2	15,889	1/2	26,137	1/2	36,223	1/2	46,516	1/2	56,810	1/2	67,103	1/2	77,397	1/2	87,691	1/2	97,984				
3/4	5,811	3/4	16,104	3/4	26,345	3/4	36,437	3/4	46,731	3/4	57,024	3/4	67,318	3/4	77,611	3/4	87,905	3/4	98,199				
1	6,025	1	16,318	1	26,553	1	36,651	1	46,945	1	57,239	1	67,532	1	77,826	1	88,119	1	98,413				
1/4	6,239	1/4	16,533	1/4	26,761	1/4	36,866	1/4	47,160	1/4	57,453	1/4	67,747	1/4	78,040	1/4	88,334	1/4	98,628				
1/2	6,454	1/2	16,747	1/2	26,969	1/2	37,080	1/2	47,374	1/2	57,668	1/2	67,961	1/2	78,255	1/2	88,548	1/2	98,842				
3/4	6,668	3/4	16,961	3/4	27,177	3/4	37,295	3/4	47,588	3/4	57,882	3/4	68,176	3/4	78,469	3/4	88,763	3/4	99,056				
1	6,883	1	17,176	1	27,385	1	37,509	1	47,803	1	58,096	1	68,390	1	78,684	1	88,977	1	99,271				
1/4	7,097	1/4	17,390	1/4	27,594	1/4	37,724	1/4	48,017	1/4	58,311	1/4	68,605	1/4	78,898	1/4	89,192	1/4	99,485				
1/2	7,312	1/2	17,605	1/2	27,802	1/2	37,938	1/2	48,232	1/2	58,525	1/2	68,819	1/2	79,113	1/2	89,406	1/2	99,700				
3/4	7,526	3/4	17,819	3/4	28,010	3/4	38,153	3/4	48,446	3/4	58,740	3/4	69,033	3/4	79,327	3/4	89,621	3/4	99,914				
1	7,740	1	18,034	1	28,218	1	38,367	1	48,661	1	58,954	1	69,248	1	79,541	1	89,835	1	100,129				
1/4	7,955	1/4	18,248	1/4	28,426	1/4	38,582	1/4	48,875	1/4	59,169	1/4	69,462	1/4	79,756	1/4	90,050	1/4	100,343				
1/2	8,169	1/2	18,463	1/2	28,634	1/2	38,796	1/2	49,090	1/2	59,383	1/2	69,677	1/2	79,970	1/2	90,264	1/2	100,558				
3/4	8,384	3/4	18,677	3/4	28,842	3/4	39,010	3/4	49,304	3/4	59,598	3/4	69,891	3/4	80,185	3/4	90,478	3/4	100,772				
1	8,598	1	18,891	1	29,051	1	39,225	1	49,518	1	59,812	1	70,106	1	80,399	1	90,693	1	100,987				
1/4	8,813	1/4	19,106	1/4	29,259	1/4	39,439	1/4	49,733	1/4	60,027	1/4	70,320	1/4	80,614	1/4	90,907	1/4	101,201				
1/2	9,027	1/2	19,320	1/2	29,467	1/2	39,654	1/2	49,947	1/2	60,241	1/2	70,535	1/2	80,828	1/2	91,122	1/2	101,415				
3/4	9,242	3/4	19,535	3/4	29,675	3/4	39,868	3/4	50,162	3/4	60,455	3/4	70,749	3/4	81,043	3/4	91,336	3/4	101,630				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT & ANALYSIS, INC.
Pearland, Texas 77588
P.O. Box 2092
http://www.pmaonline.com



BARGE "IB 1319"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	107,844	112,138	122,432	132,725	143,019	153,313	163,606	173,899	184,192	194,485
1/4	102,059	112,352	122,646	132,940	143,233	153,527	163,820	174,114	184,407	194,700
1/2	102,273	112,567	122,860	133,154	143,448	153,741	164,035	174,328	184,622	194,915
3/4	102,488	112,781	123,075	133,368	143,662	153,955	164,249	174,542	184,836	195,129
1	102,702	112,996	123,289	133,583	143,877	154,170	164,464	174,757	185,050	195,344
1/4	102,917	113,210	123,504	133,797	144,091	154,384	164,678	174,971	185,264	195,557
1/2	103,131	113,425	123,718	134,012	144,305	154,598	164,892	175,185	185,478	195,771
3/4	103,345	113,639	123,933	134,226	144,520	154,813	165,106	175,400	185,693	195,986
2	103,560	113,854	124,147	134,441	144,734	155,027	165,320	175,613	185,906	196,199
1/4	103,774	114,068	124,362	134,655	144,949	155,241	165,534	175,827	186,120	196,413
1/2	103,989	114,282	124,576	134,870	145,163	155,455	165,747	176,040	186,333	196,627
3/4	104,203	114,497	124,790	135,084	145,378	155,669	165,960	176,254	186,547	196,840
3	104,418	114,711	125,005	135,299	145,592	155,882	166,174	176,467	186,760	197,054
1/4	104,632	114,926	125,219	135,513	145,807	156,095	166,388	176,681	186,974	197,268
1/2	104,847	115,140	125,434	135,727	146,021	156,309	166,602	176,895	187,188	197,482
3/4	105,061	115,355	125,648	135,942	146,235	156,523	166,816	177,109	187,402	197,696
4	105,276	115,569	125,863	136,156	146,450	156,737	167,030	177,323	187,616	197,910
1/4	105,490	115,784	126,077	136,371	146,664	156,951	167,244	177,537	187,830	198,124
1/2	105,704	115,998	126,292	136,585	146,879	157,165	167,458	177,751	188,044	198,338
3/4	105,919	116,212	126,506	136,800	147,093	157,379	167,672	177,965	188,258	198,552
5	106,133	116,427	126,721	137,014	147,308	157,593	167,886	178,179	188,472	198,766
1/4	106,348	116,641	126,935	137,229	147,522	157,807	168,100	178,393	188,686	198,980
1/2	106,562	116,856	127,149	137,443	147,737	158,021	168,314	178,607	188,900	199,194
3/4	106,777	117,070	127,364	137,657	147,951	158,235	168,528	178,821	189,114	199,408
6	106,991	117,285	127,578	137,872	148,166	158,449	168,742	179,035	189,328	199,622
1/4	107,206	117,499	127,793	138,086	148,380	158,663	168,956	179,249	189,542	199,836
1/2	107,420	117,714	128,007	138,301	148,594	158,877	169,170	179,463	189,756	200,050
3/4	107,634	117,928	128,222	138,515	148,809	159,091	169,384	179,677	190,000	200,264
7	107,849	118,143	128,436	138,730	149,023	159,305	169,598	179,891	190,214	200,478
1/4	108,063	118,357	128,651	138,944	149,238	159,519	169,812	180,105	190,428	200,692
1/2	108,278	118,571	128,865	139,159	149,452	159,733	170,019	180,333	190,647	200,906
3/4	108,492	118,786	129,079	139,373	149,667	159,947	170,233	180,547	190,861	201,120
8	108,707	119,000	129,294	139,588	149,881	160,161	170,447	180,761	191,075	201,334
1/4	108,921	119,215	129,508	139,802	150,096	160,375	170,661	180,975	191,289	201,548
1/2	109,136	119,429	129,723	140,016	150,310	160,589	170,875	181,189	191,503	201,762
3/4	109,350	119,644	129,937	140,231	150,524	160,803	171,090	181,404	191,717	201,976
9	109,565	119,858	130,152	140,445	150,739	161,017	171,305	181,619	191,933	202,190
1/4	109,779	120,073	130,366	140,660	150,953	161,231	171,519	181,833	192,147	202,404
1/2	109,993	120,287	130,581	140,874	151,167	161,445	171,733	182,047	192,361	202,618
3/4	110,208	120,501	130,795	141,089	151,381	161,659	171,947	182,261	192,575	202,832
10	110,422	120,716	131,010	141,303	151,595	161,873	172,161	182,475	192,789	203,046
1/4	110,637	120,930	131,224	141,518	151,806	162,087	172,375	182,689	193,003	203,260
1/2	110,851	121,145	131,438	141,732	152,017	162,301	172,589	182,903	193,217	203,474
3/4	111,066	121,359	131,653	141,946	152,228	162,515	172,803	183,117	193,431	203,688
11	111,280	121,574	131,867	142,161	152,439	162,729	173,017	183,331	193,645	203,902
1/4	111,495	121,788	132,082	142,375	152,628	162,943	173,231	183,545	193,859	204,116
1/2	111,709	122,003	132,296	142,590	152,817	163,157	173,445	183,759	194,073	204,330
3/4	111,923	122,217	132,511	142,804	153,006	163,371	173,659	183,973	194,287	204,544

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL
 CALCULATED: 03/31/2020 CL
 PRINTED: 03/31/2020 SW
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. BOX 2092
 Pearland, Texas 77588
 http://www.dinacoro.net



BARGE "IB 1319"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 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	74	0	9,625	0	19,893	0	30,226	0	40,592	0	50,961	0	61,329	0	71,698	0	82,066	0	92,435
1/4	139	1/4	9,741	1/4	20,109	1/4	30,451	1/4	40,808	1/4	51,177	1/4	61,545	1/4	71,914	1/4	82,282	1/4	92,651
1/2	204	1/2	9,957	1/2	20,325	1/2	30,666	1/2	41,024	1/2	51,383	1/2	61,761	1/2	72,130	1/2	82,498	1/2	92,867
3/4	268	3/4	10,173	3/4	20,541	3/4	30,882	3/4	41,240	3/4	51,609	3/4	61,977	3/4	72,346	3/4	82,714	3/4	93,083
1	333	1	10,389	1	20,757	1	31,097	1	41,456	1	51,825	1	62,193	1	72,562	1	82,930	1	93,299
1 1/4	481	1 1/4	10,605	1 1/4	20,973	1 1/4	31,312	1 1/4	41,688	1 1/4	52,041	1 1/4	62,409	1 1/4	72,778	1 1/4	83,146	1 1/4	93,515
1 1/2	630	1 1/2	10,821	1 1/2	21,189	1 1/2	31,527	1 1/2	41,888	1 1/2	52,257	1 1/2	62,625	1 1/2	72,994	1 1/2	83,362	1 1/2	93,731
1 3/4	778	1 3/4	11,037	1 3/4	21,405	1 3/4	31,742	1 3/4	42,105	1 3/4	52,473	1 3/4	62,841	1 3/4	73,210	1 3/4	83,578	1 3/4	93,947
2	926	2	11,253	2	21,621	2	31,957	2	42,321	2	52,689	2	63,057	2	73,426	2	83,794	2	94,163
1/4	1,133	1/4	11,469	1/4	21,837	1/4	32,172	1/4	42,537	1/4	52,905	1/4	63,273	1/4	73,642	1/4	84,010	1/4	94,379
1/2	1,339	1/2	11,685	1/2	22,053	1/2	32,388	1/2	42,753	1/2	53,121	1/2	63,489	1/2	73,858	1/2	84,226	1/2	94,595
3/4	1,546	3/4	11,901	3/4	22,269	3/4	32,603	3/4	42,969	3/4	53,337	3/4	63,705	3/4	74,074	3/4	84,442	3/4	94,811
1	1,753	1	12,117	1	22,485	1	32,818	1	43,185	1	53,553	1	63,921	1	74,290	1	84,658	1	95,027
1 1/4	1,968	1 1/4	12,333	1 1/4	22,701	1 1/4	33,034	1 1/4	43,401	1 1/4	53,769	1 1/4	64,137	1 1/4	74,506	1 1/4	84,874	1 1/4	95,243
1 1/2	2,183	1 1/2	12,549	1 1/2	22,917	1 1/2	33,249	1 1/2	43,617	1 1/2	53,985	1 1/2	64,353	1 1/2	74,722	1 1/2	85,090	1 1/2	95,459
1 3/4	2,398	1 3/4	12,765	1 3/4	23,133	1 3/4	33,465	1 3/4	43,833	1 3/4	54,201	1 3/4	64,569	1 3/4	74,938	1 3/4	85,306	1 3/4	95,675
2	2,613	2	12,981	2	23,349	2	33,680	2	44,049	2	54,417	2	64,785	2	75,154	2	85,591	2	95,991
1/4	2,829	1/4	13,197	1/4	23,565	1/4	33,896	1/4	44,265	1/4	54,633	1/4	65,001	1/4	75,370	1/4	85,722	1/4	96,107
1/2	3,045	1/2	13,413	1/2	23,781	1/2	34,112	1/2	44,481	1/2	54,849	1/2	65,217	1/2	75,586	1/2	85,954	1/2	96,323
3/4	3,261	3/4	13,629	3/4	23,997	3/4	34,328	3/4	44,697	3/4	55,065	3/4	65,433	3/4	75,802	3/4	86,170	3/4	96,539
1	3,477	1	13,845	1	24,213	1	34,544	1	44,913	1	55,281	1	65,650	1	76,018	1	86,386	1	96,755
1 1/4	3,693	1 1/4	14,061	1 1/4	24,428	1 1/4	34,760	1 1/4	45,129	1 1/4	55,497	1 1/4	65,866	1 1/4	76,234	1 1/4	86,602	1 1/4	96,971
1 1/2	3,909	1 1/2	14,277	1 1/2	24,644	1 1/2	34,976	1 1/2	45,345	1 1/2	55,713	1 1/2	66,082	1 1/2	76,450	1 1/2	86,818	1 1/2	97,187
1 3/4	4,125	1 3/4	14,493	1 3/4	24,860	1 3/4	35,192	1 3/4	45,561	1 3/4	55,931	1 3/4	66,298	1 3/4	76,666	1 3/4	87,034	1 3/4	97,403
2	4,341	2	14,709	2	25,076	2	35,408	2	45,777	2	56,145	2	66,514	2	76,882	2	87,250	2	97,619
1/4	4,557	1/4	14,925	1/4	25,291	1/4	35,624	1/4	45,993	1/4	56,361	1/4	66,730	1/4	77,098	1/4	87,466	1/4	97,835
1/2	4,773	1/2	15,141	1/2	25,506	1/2	35,840	1/2	46,209	1/2	56,577	1/2	66,946	1/2	77,314	1/2	87,682	1/2	98,051
3/4	4,989	3/4	15,357	3/4	25,721	3/4	36,056	3/4	46,425	3/4	56,793	3/4	67,162	3/4	77,530	3/4	87,898	3/4	98,267
1	5,205	1	15,573	1	25,936	1	36,272	1	46,641	1	57,009	1	67,378	1	77,746	1	88,114	1	98,483
1 1/4	5,421	1 1/4	15,789	1 1/4	26,151	1 1/4	36,488	1 1/4	46,857	1 1/4	57,225	1 1/4	67,594	1 1/4	77,962	1 1/4	88,330	1 1/4	98,699
1 1/2	5,637	1 1/2	16,005	1 1/2	26,366	1 1/2	36,704	1 1/2	47,073	1 1/2	57,441	1 1/2	67,810	1 1/2	78,178	1 1/2	88,546	1 1/2	98,915
1 3/4	5,853	1 3/4	16,221	1 3/4	26,581	1 3/4	36,920	1 3/4	47,289	1 3/4	57,657	1 3/4	68,026	1 3/4	78,394	1 3/4	88,762	1 3/4	99,131
2	6,069	2	16,437	2	26,796	2	37,136	2	47,505	2	57,873	2	68,242	2	78,610	2	88,978	2	99,347
1/4	6,285	1/4	16,653	1/4	27,011	1/4	37,352	1/4	47,721	1/4	58,089	1/4	68,458	1/4	78,826	1/4	89,195	1/4	99,563
1/2	6,501	1/2	16,869	1/2	27,226	1/2	37,568	1/2	47,937	1/2	58,305	1/2	68,674	1/2	79,042	1/2	89,411	1/2	99,779
3/4	6,717	3/4	17,085	3/4	27,441	3/4	37,784	3/4	48,153	3/4	58,521	3/4	68,890	3/4	79,258	3/4	89,627	3/4	99,995
1	6,933	1	17,301	1	27,656	1	38,000	1	48,369	1	58,737	1	69,105	1	79,474	1	89,843	1	100,211
1 1/4	7,149	1 1/4	17,517	1 1/4	27,871	1 1/4	38,216	1 1/4	48,585	1 1/4	59,005	1 1/4	69,322	1 1/4	79,690	1 1/4	90,059	1 1/4	100,427
1 1/2	7,365	1 1/2	17,733	1 1/2	28,086	1 1/2	38,432	1 1/2	48,801	1 1/2	59,169	1 1/2	69,538	1 1/2	79,906	1 1/2	90,275	1 1/2	100,643
1 3/4	7,581	1 3/4	17,949	1 3/4	28,301	1 3/4	38,648	1 3/4	49,017	1 3/4	59,385	1 3/4	69,754	1 3/4	80,122	1 3/4	90,491	1 3/4	100,859
2	7,797	2	18,165	2	28,516	2	38,864	2	49,233	2	59,601	2	69,970	2	80,338	2	90,707	2	101,075
1/4	8,013	1/4	18,381	1/4	28,731	1/4	39,080	1/4	49,449	1/4	59,817	1/4	70,186	1/4	80,554	1/4	90,923	1/4	101,291
1/2	8,229	1/2	18,597	1/2	28,946	1/2	39,296	1/2	49,665	1/2	60,033	1/2	70,402	1/2	80,770	1/2	91,139	1/2	101,507
3/4	8,445	3/4	18,813	3/4	29,161	3/4	39,512	3/4	49,881	3/4	60,249	3/4	70,618	3/4	80,986	3/4	91,356	3/4	101,723
1	8,661	1	19,029	1	29,376	1	39,728	1	50,097	1	60,465	1	70,834	1	81,202	1	91,571	1	101,939
1 1/4	8,877	1 1/4	19,245	1 1/4	29,591	1 1/4	39,944	1 1/4	50,313	1 1/4	60,681	1 1/4	71,050	1 1/4	81,418	1 1/4	91,787	1 1/4	102,155
1 1/2	9,093	1 1/2	19,461	1 1/2	29,806	1 1/2	40,160	1 1/2	50,529	1 1/2	60,907	1 1/2	71,266	1 1/2	81,634	1 1/2	92,003	1 1/2	102,371
1 3/4	9,309	1 3/4	19,677	1 3/4	30,021	1 3/4	40,376	1 3/4	50,745	1 3/4	61,113	1 3/4	71,482	1 3/4	81,850	1 3/4	92,219	1 3/4	102,587

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "IB 1319"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	102,803	1/4	113,172	1/2	123,540	3/4	133,908	1	144,277	1/4	154,645	1/2	165,013	3/4	175,381	1	185,749	1/4	196,117
1/4	103,019	1/2	113,388	3/4	123,756	1	134,124	1/4	144,493	1/2	154,861	3/4	165,229	1	175,597	1/4	185,965	1/2	196,333
1/2	103,235	3/4	113,604	1	123,972	1/4	134,340	1/2	144,709	3/4	155,077	1	165,445	1/4	175,813	1/2	186,181	3/4	196,549
3/4	103,451	1	113,820	1/4	124,188	1/2	134,556	3/4	144,925	1	155,293	1/4	165,661	1/2	176,029	3/4	186,397	1	196,765
1	103,667	1/4	114,036	1/2	124,404	3/4	134,772	1	145,141	1/4	155,509	1/2	165,877	3/4	176,245	1	186,613	1/4	196,981
1/4	103,883	1/2	114,252	3/4	124,620	1	134,988	1/4	145,357	1/2	155,725	3/4	166,093	1	176,461	1/4	186,829	1/2	197,197
1/2	104,099	3/4	114,468	1	124,836	1/4	135,204	1/2	145,573	3/4	155,941	1	166,309	1/4	176,677	1/2	187,045	3/4	197,413
3/4	104,315	1	114,684	1/4	125,052	1/2	135,420	3/4	145,789	1	156,157	1/4	166,525	1/2	176,893	3/4	187,261	1	197,629
1	104,531	1/4	114,900	1/2	125,268	3/4	135,636	1	146,005	1/4	156,373	1/2	166,741	3/4	177,109	1	187,477	1/4	197,845
1/4	104,747	1/2	115,116	3/4	125,484	1	135,852	1/4	146,221	1/2	156,589	3/4	166,957	1	177,325	1/4	187,693	1/2	198,061
1/2	104,963	3/4	115,332	1	125,700	1/4	136,069	1/2	146,437	3/4	156,805	1	167,173	1/4	177,541	1/2	187,909	3/4	198,277
3/4	105,179	1	115,548	1/4	125,916	1/2	136,285	3/4	146,653	1	157,021	1/4	167,389	1/2	177,757	3/4	188,125	1	198,493
1	105,395	1/4	115,764	1/2	126,132	3/4	136,501	1	146,869	1/4	157,233	1/2	167,601	3/4	177,969	1	188,337	1/4	198,705
1/4	105,611	1/2	115,980	3/4	126,348	1	136,717	1/4	147,085	1/2	157,453	3/4	167,821	1	178,189	1/4	188,557	1/2	198,925
1/2	105,827	3/4	116,196	1	126,564	1/4	136,933	1/2	147,301	3/4	157,661	1	168,029	1/4	178,397	1/2	188,765	3/4	199,133
3/4	106,043	1	116,412	1/4	126,780	1/2	137,149	3/4	147,517	1	157,885	1/4	168,253	1/2	178,621	3/4	188,989	1	199,357
1	106,259	1/4	116,628	1/2	126,996	3/4	137,365	1	147,733	1/4	158,101	1/2	168,469	3/4	178,837	1	189,205	1/4	199,575
1/4	106,475	1/2	116,844	3/4	127,212	1	137,581	1/4	147,949	1/2	158,317	3/4	168,685	1	179,053	1/4	189,421	1/2	199,791
1/2	106,691	3/4	117,060	1	127,428	1/4	137,797	1/2	148,165	3/4	158,533	1	168,901	1/4	179,269	1/2	189,637	3/4	199,999
3/4	106,907	1	117,276	1/4	127,644	1/2	138,013	3/4	148,381	1	158,749	1/4	169,117	1/2	179,485	3/4	189,853	1	200,227
1	107,123	1/4	117,492	1/2	127,860	3/4	138,229	1	148,597	1/4	158,965	1/2	169,333	3/4	179,701	1	190,069	1/4	200,441
1/4	107,339	1/2	117,708	3/4	128,076	1	138,445	1/4	148,813	1/2	159,181	3/4	169,549	1	179,917	1/4	190,285	1/2	200,657
1/2	107,555	3/4	117,924	1	128,292	1/4	138,661	1/2	149,029	3/4	159,397	1	169,765	1/4	180,133	1/2	190,501	3/4	200,873
3/4	107,771	1	118,140	1/4	128,508	1/2	138,877	3/4	149,245	1	159,613	1/4	170,001	1/2	180,369	3/4	190,737	1	201,105
1	107,987	1/4	118,356	1/2	128,724	3/4	139,093	1	149,461	1/4	159,829	1/2	170,193	3/4	180,561	1	190,929	1/4	201,297
1/4	108,203	1/2	118,572	3/4	128,940	1	139,309	1/4	149,677	1/2	160,041	3/4	170,401	1	180,769	1/4	191,137	1/2	201,513
1/2	108,419	3/4	118,788	1	129,156	1/4	139,525	1/2	149,885	3/4	160,253	1	170,613	1/4	180,981	1/2	191,341	3/4	201,705
3/4	108,635	1	119,004	1/4	129,372	1/2	139,741	3/4	150,109	1	160,473	1/4	170,833	1/2	181,201	3/4	191,569	1	201,933
1	108,851	1/4	119,220	1/2	129,588	3/4	139,957	1	150,325	1/4	160,691	1/2	171,057	3/4	181,421	1	191,789	1/4	202,157
1/4	109,067	1/2	119,436	3/4	129,804	1	140,173	1/4	150,541	1/2	160,905	3/4	171,269	1	181,637	1/4	192,005	1/2	202,373
1/2	109,283	3/4	119,652	1	130,020	1/4	140,389	1/2	150,757	3/4	161,121	1	171,485	1/4	181,853	1/2	192,221	3/4	202,589
3/4	109,499	1	119,868	1/4	130,236	1/2	140,605	3/4	150,973	1	161,333	1/4	171,697	1/2	182,065	3/4	192,437	1	202,805
1	109,715	1/4	120,084	1/2	130,452	3/4	140,821	1	151,189	1/4	161,553	1/2	171,917	3/4	182,285	1	192,653	1/4	203,021
1/4	109,931	1/2	120,300	3/4	130,668	1	141,037	1/4	151,405	1/2	161,765	3/4	172,133	1	182,501	1/4	192,869	1/2	203,237
1/2	110,147	3/4	120,516	1	130,884	1/4	141,253	1/2	151,621	3/4	161,989	1	172,357	1/4	182,725	1/2	193,093	3/4	203,453
3/4	110,363	1	120,732	1/4	131,100	1/2	141,469	3/4	151,837	1	162,205	1/4	172,573	1/2	182,941	3/4	193,309	1	203,669
1	110,579	1/4	120,948	1/2	131,316	3/4	141,685	1	152,053	1/4	162,421	1/2	172,789	3/4	183,157	1	193,525	1/4	203,885
1/4	110,795	1/2	121,164	3/4	131,532	1	141,901	1/4	152,269	1/2	162,637	3/4	173,005	1	183,373	1/4	193,743	1/2	204,101
1/2	111,011	3/4	121,380	1	131,748	1/4	142,117	1/2	152,484	3/4	162,853	1	173,221	1/4	183,591	1/2	193,959	3/4	204,317
3/4	111,227	1	121,596	1/4	131,964	1/2	142,333	3/4	152,700	1	163,067	1/4	173,433	1/2	183,801	3/4	194,167	1	204,533
1	111,443	1/4	121,812	1/2	132,180	3/4	142,549	1	152,915	1/4	163,281	1/2	173,649	3/4	184,017	1	194,383	1/4	204,749
1/4	111,659	1/2	122,028	3/4	132,396	1	142,765	1/4	153,128	1/2	163,501	3/4	173,865	1	184,233	1/4	194,601	1/2	204,965
1/2	111,875	3/4	122,244	1	132,612	1/4	142,981	1/2	153,341	3/4	163,717	1	174,081	1/4	184,445	1/2	194,817	3/4	205,181
3/4	112,091	1	122,460	1/4	132,828	1/2	143,197	3/4	153,553	1	163,929	1/4	174,297	1/2	184,657	3/4	195,033	1	205,397
1	112,307	1/4	122,676	1/2	133,044	3/4	143,413	1	153,766	1/4	164,141	1/2	174,509	3/4	184,873	1	195,249	1/4	205,613
1/4	112,524	1/2	122,892	3/4	133,260	1	143,629	1/4	153,982	1/2	164,357	3/4	174,721	1	185,089	1/4	195,465	1/2	205,829
1/2	112,740	3/4	123,108	1	133,476	1/4	143,845	1/2	154,147	3/4	164,573	1	174,933	1/4	185,301	1/2	195,681	3/4	206,045
3/4	112,956	1	123,324	1/4	133,692	1/2	144,061	3/4	154,363	1	164,789	1/4	175,149	1/2	185,517	3/4	195,901	1	206,261

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL
 CALCULATED: 03/31/2020 CL
 PRINTED: 03/31/2020 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
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