

CAPACITIES IN U.S. GALLONS

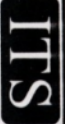
IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	37	0	10440	0	22076	0	33689	0	45321	0	56957	0	68594	0	80230
1/4	67	1/4	10683	1/4	22318	1/4	33931	1/4	45563	1/4	57200	1/4	68836	1/4	80473
1/2	117	1/2	10925	1/2	22561	1/2	34173	1/2	45806	1/2	57442	1/2	69079	1/2	80715
3/4	188	3/4	11167	3/4	22803	3/4	34414	3/4	46048	3/4	57685	3/4	69321	3/4	80958
1	279	1	11410	1	23045	1	34656	1	46291	1	57927	1	69563	1	81200
1/4	390	1/4	11652	1/4	23288	1/4	34898	1/4	46533	1/4	58169	1/4	69806	1/4	81442
1/2	521	1/2	11895	1/2	23530	1/2	35140	1/2	46775	1/2	58412	1/2	70048	1/2	81685
3/4	673	3/4	12137	3/4	23772	3/4	35381	3/4	47018	3/4	58654	3/4	70291	3/4	81927
2	844	2	12379	2	24015	2	35624	2	47260	2	58897	2	70533	2	82170
1/4	1036	1/4	12622	1/4	24257	1/4	35866	1/4	47503	1/4	59139	1/4	70776	1/4	82412
1/2	1249	1/2	12864	1/2	24500	1/2	36109	1/2	47745	1/2	59382	1/2	71018	1/2	82655
3/4	1481	3/4	13107	3/4	24742	3/4	36351	3/4	47988	3/4	59624	3/4	71260	3/4	82897
3	1713	3	13349	3	24984	3	36594	3	48230	3	59866	3	71503	3	83140
1/4	1955	1/4	13591	1/4	25227	1/4	36836	1/4	48472	1/4	60109	1/4	71745	1/4	83382
1/2	2198	1/2	13834	1/2	25469	1/2	37078	1/2	48715	1/2	60351	1/2	71988	1/2	83624
3/4	2440	3/4	14076	3/4	25711	3/4	37321	3/4	48957	3/4	60594	3/4	72230	3/4	83867
4	2683	4	14319	4	25954	4	37563	4	49200	4	60836	4	72473	4	84109
1/4	2925	1/4	14561	1/4	26196	1/4	37806	1/4	49442	1/4	61079	1/4	72715	1/4	84352
1/2	3167	1/2	14804	1/2	26437	1/2	38048	1/2	49685	1/2	61321	1/2	72957	1/2	84594
3/4	3410	3/4	15046	3/4	26679	3/4	38290	3/4	49927	3/4	61563	3/4	73200	3/4	84837
5	3652	5	15288	5	26921	5	38533	5	50169	5	61806	5	73442	5	85079
1/4	3895	1/4	15531	1/4	27162	1/4	38775	1/4	50412	1/4	62048	1/4	73685	1/4	85321
1/2	4137	1/2	15773	1/2	27404	1/2	39018	1/2	50654	1/2	62291	1/2	73927	1/2	85564
3/4	4380	3/4	16016	3/4	27646	3/4	39260	3/4	50897	3/4	62533	3/4	74170	3/4	85806
6	4622	6	16258	6	27888	6	39503	6	51139	6	62776	6	74412	6	86049
1/4	4865	1/4	16500	1/4	28129	1/4	39745	1/4	51382	1/4	63018	1/4	74654	1/4	86291
1/2	5107	1/2	16743	1/2	28371	1/2	39987	1/2	51624	1/2	63260	1/2	74897	1/2	86534
3/4	5349	3/4	16985	3/4	28613	3/4	40230	3/4	51866	3/4	63503	3/4	75139	3/4	86776
7	5592	7	17228	7	28855	7	40472	7	52109	7	63745	7	75382	7	87018
1/4	5834	1/4	17470	1/4	29096	1/4	40715	1/4	52351	1/4	63988	1/4	75624	1/4	87261
1/2	6077	1/2	17713	1/2	29338	1/2	40957	1/2	52594	1/2	64230	1/2	75866	1/2	87503
3/4	6319	3/4	17955	3/4	29580	3/4	41200	3/4	52836	3/4	64473	3/4	76109	3/4	87746
8	6562	8	18197	8	29822	8	41442	8	53079	8	64715	8	76351	8	87988
1/4	6804	1/4	18440	1/4	30063	1/4	41684	1/4	53321	1/4	64957	1/4	76594	1/4	88231
1/2	7046	1/2	18682	1/2	30305	1/2	41927	1/2	53563	1/2	65200	1/2	76836	1/2	88473
3/4	7289	3/4	18925	3/4	30547	3/4	42169	3/4	53806	3/4	65442	3/4	77079	3/4	88716
9	7531	9	19167	9	30788	9	42412	9	54048	9	65685	9	77321	9	88958
1/4	7774	1/4	19409	1/4	31030	1/4	42654	1/4	54291	1/4	65927	1/4	77564	1/4	89200
1/2	8016	1/2	19652	1/2	31272	1/2	42897	1/2	54533	1/2	66169	1/2	77806	1/2	89443
3/4	8258	3/4	19894	3/4	31514	3/4	43139	3/4	54776	3/4	66412	3/4	78048	3/4	89685
10	8501	10	20137	10	31755	10	43381	10	55018	10	66654	10	78291	10	89928
1/4	8743	1/4	20379	1/4	31997	1/4	43624	1/4	55260	1/4	66897	1/4	78533	1/4	90170
1/2	8986	1/2	20621	1/2	32239	1/2	43866	1/2	55503	1/2	67139	1/2	78776	1/2	90413
3/4	9228	3/4	20864	3/4	32481	3/4	44109	3/4	55745	3/4	67382	3/4	79018	3/4	90655
11	9470	11	21106	11	32722	11	44351	11	55988	11	67624	11	79261	11	90897
1/4	9713	1/4	21349	1/4	32964	1/4	44594	1/4	56230	1/4	67866	1/4	79503	1/4	91140
1/2	9955	1/2	21591	1/2	33206	1/2	44836	1/2	56473	1/2	68109	1/2	79745	1/2	91382
3/4	10198	3/4	21834	3/4	33448	3/4	45078	3/4	56715	3/4	68351	3/4	79988	3/4	91625

VOLUME OF SOUND GAUGE FROM MANHOLE VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calibrated: KTH/H  
 Calculation: M/HF  
 Dated: May 5, 1998





Intertek Testing Services  
Caleb Brett

DOUBLE SKIN BARGE  
"IB-1933"  
HULL # 97-2142

TANK: 1

CAPACITIES IN U.S. GALLONS

TOTAL GAUGE HEIGHT: 15' 08 5/8"

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	91867	0	103504	0	115139	0	126363	0	137238	0	148114	0	158989	0	
1/4	92110	1/4	103746	1/4	115382	1/4	126590	1/4	137465	1/4	148340	1/4	159216	1/4	
1/2	92352	1/2	103989	1/2	115624	1/2	126816	1/2	137691	1/2	148567	1/2	159442	1/2	
3/4	92594	3/4	104231	3/4	115867	3/4	127043	3/4	137918	3/4	148793	3/4	159669	3/4	
1	92837	1	104473	1	116109	1	127269	1	138144	1	149020	1	159896	1	
1/4	93079	1/4	104716	1/4	116351	1/4	127496	1/4	138371	1/4	149247	1/4	160122	1/4	
1/2	93322	1/2	104958	1/2	116594	1/2	127722	1/2	138598	1/2	149473	1/2	160349	1/2	
3/4	93564	3/4	105201	3/4	116836	3/4	127949	3/4	138824	3/4	149700	3/4	160575	3/4	
2	93807	2	105443	2	117079	2	128176	2	139051	2	149926	2	160802	2	
1/4	94049	1/4	105685	1/4	117321	1/4	128402	1/4	139277	1/4	150153	1/4	161028	1/4	
1/2	94292	1/2	105928	1/2	117564	1/2	128629	1/2	139504	1/2	150379	1/2	161255	1/2	
3/4	94534	3/4	106170	3/4	117806	3/4	128855	3/4	139731	3/4	150606	3/4	161482	3/4	
3	94776	3	106413	3	118048	3	129082	3	139957	3	150833	3	161703	3	
1/4	95019	1/4	106655	1/4	118291	1/4	129308	1/4	140184	1/4	151059	1/4	161915	1/4	
1/2	95261	1/2	106898	1/2	118533	1/2	129535	1/2	140410	1/2	151286	1/2	162117	1/2	
3/4	95504	3/4	107140	3/4	118776	3/4	129762	3/4	140637	3/4	151512	3/4	162309	3/4	
4	95746	4	107382	4	119018	4	129988	4	140863	4	151739	4	162491	4	
1/4	95989	1/4	107625	1/4	119260	1/4	130215	1/4	141090	1/4	151965	1/4	162664	1/4	
1/2	96231	1/2	107867	1/2	119503	1/2	130441	1/2	141317	1/2	152192	1/2	162826	1/2	
3/4	96473	3/4	108110	3/4	119745	3/4	130668	3/4	141543	3/4	152419	3/4	162979	3/4	
5	96716	5	108352	5	119988	5	130984	5	141770	5	152645	5	163122	5	
1/4	96958	1/4	108594	1/4	120230	1/4	131121	1/4	141996	1/4	152872	1/4	163255	1/4	
1/2	97201	1/2	108837	1/2	120472	1/2	131347	1/2	142223	1/2	153098	1/2	163378	1/2	
3/4	97443	3/4	109079	3/4	120699	3/4	131574	3/4	142449	3/4	153325	3/4	163491	3/4	
6	97686	6	109322	6	120925	6	131801	6	142676	6	153551	6	163595	6	
1/4	97928	1/4	109564	1/4	121152	1/4	132027	1/4	142903	1/4	153778	1/4	163688	1/4	
1/2	98170	1/2	109806	1/2	121379	1/2	132254	1/2	143129	1/2	154005	1/2	163772	1/2	
3/4	98413	3/4	110049	3/4	121605	3/4	132480	3/4	143356	3/4	154231	3/4	163846	3/4	
7	98655	7	110291	7	121832	7	132707	7	143582	7	154458	7	163910	7	
1/4	98898	1/4	110534	1/4	122058	1/4	132933	1/4	143809	1/4	154684	1/4	163964	1/4	
1/2	99140	1/2	110776	1/2	122285	1/2	133160	1/2	144035	1/2	154911	1/2	164008	1/2	
3/4	99383	3/4	111018	3/4	122511	3/4	133387	3/4	144262	3/4	155138	3/4	164043	3/4	
8	99625	8	111261	8	122738	8	133613	8	144489	8	155364	8	164067	8	
1/4	99868	1/4	111503	1/4	122965	1/4	133840	1/4	144715	1/4	155591	1/4	164082	1/4	
1/2	100110	1/2	111746	1/2	123191	1/2	134066	1/2	144942	1/2	155817	1/2		1/2	
3/4	100352	3/4	111988	3/4	123418	3/4	134293	3/4	145168	3/4	156044	3/4		3/4	
9	100595	9	112231	9	123644	9	134519	9	145395	9	156270	9		9	
1/4	100837	1/4	112473	1/4	123871	1/4	134746	1/4	145621	1/4	156497	1/4		1/4	
1/2	101080	1/2	112715	1/2	124097	1/2	134973	1/2	145848	1/2	156724	1/2		1/2	
3/4	101322	3/4	112958	3/4	124324	3/4	135199	3/4	146075	3/4	156950	3/4		3/4	
10	101565	10	113200	10	124551	10	135426	10	146301	10	157177	10		10	
1/4	101807	1/4	113443	1/4	124777	1/4	135652	1/4	146528	1/4	157403	1/4		1/4	
1/2	102049	1/2	113685	1/2	125004	1/2	135879	1/2	146754	1/2	157630	1/2		1/2	
3/4	102292	3/4	113927	3/4	125230	3/4	136105	3/4	146981	3/4	157856	3/4		3/4	
11	102534	11	114170	11	125457	11	136332	11	147207	11	158083	11		11	
1/4	102777	1/4	114412	1/4	125683	1/4	136558	1/4	147434	1/4	158310	1/4		1/4	
1/2	103019	1/2	114655	1/2	125910	1/2	136785	1/2	147661	1/2	158536	1/2		1/2	
3/4	103261	3/4	114897	3/4	126136	3/4	137012	3/4	147887	3/4	158763	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MNCUT VALUE TO TOP OF THE TANK AT CENTERLINE

Calibrated: KTAH  
Calculation: WHF  
Dated: May 5, 1998

CAPACITIES IN U.S. GALLONS

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	37	0	10438	0	22073	0	33681	0	45312	0	56948	0	68584	0	80220
1/4	67	1/4	10681	1/4	22315	1/4	33923	1/4	45554	1/4	57190	1/4	68827	1/4	80463
1/2	117	1/2	10923	1/2	22558	1/2	34164	1/2	45797	1/2	57433	1/2	69069	1/2	80705
3/4	188	3/4	11165	3/4	22800	3/4	34406	3/4	46039	3/4	57675	3/4	69311	3/4	80947
1	279	1	11408	1	23042	1	34648	1	46281	1	57918	1	69554	1	81190
1/4	390	1/4	11650	1/4	23285	1/4	34889	1/4	46524	1/4	58160	1/4	69796	1/4	81432
1/2	521	1/2	11893	1/2	23527	1/2	35131	1/2	46766	1/2	58402	1/2	70039	1/2	81675
3/4	673	3/4	12135	3/4	23769	3/4	35372	3/4	47009	3/4	58645	3/4	70281	3/4	81917
2	844	2	12377	2	24012	2	35615	2	47251	2	58887	2	70523	2	82159
1/4	1036	1/4	12620	1/4	24254	1/4	35857	1/4	47494	1/4	59130	1/4	70766	1/4	82402
1/2	1248	1/2	12862	1/2	24496	1/2	36100	1/2	47736	1/2	59372	1/2	71008	1/2	82644
3/4	1481	3/4	13105	3/4	24739	3/4	36342	3/4	47978	3/4	59615	3/4	71251	3/4	82887
3	1712	3	13347	3	24981	3	36584	3	48221	3	59857	3	71493	3	83129
1/4	1955	1/4	13589	1/4	25223	1/4	36827	1/4	48463	1/4	60099	1/4	71736	1/4	83371
1/2	2197	1/2	13832	1/2	25466	1/2	37069	1/2	48706	1/2	60342	1/2	71978	1/2	83614
3/4	2439	3/4	14074	3/4	25708	3/4	37312	3/4	48948	3/4	60584	3/4	72220	3/4	83856
4	2682	4	14317	4	25951	4	37554	4	49190	4	60827	4	72463	4	84099
1/4	2924	1/4	14559	1/4	26192	1/4	37797	1/4	49433	1/4	61069	1/4	72705	1/4	84341
1/2	3167	1/2	14801	1/2	26434	1/2	38039	1/2	49675	1/2	61312	1/2	72948	1/2	84584
3/4	3409	3/4	15044	3/4	26675	3/4	38281	3/4	49918	3/4	61554	3/4	73190	3/4	84826
5	3651	5	15286	5	26917	5	38524	5	50160	5	61796	5	73433	5	85068
1/4	3894	1/4	15529	1/4	27158	1/4	38766	1/4	50403	1/4	62039	1/4	73675	1/4	85311
1/2	4136	1/2	15771	1/2	27400	1/2	39009	1/2	50645	1/2	62281	1/2	73917	1/2	85553
3/4	4379	3/4	16013	3/4	27642	3/4	39251	3/4	50887	3/4	62524	3/4	74160	3/4	85796
6	4621	6	16256	6	27883	6	39494	6	51130	6	62766	6	74402	6	86038
1/4	4863	1/4	16498	1/4	28125	1/4	39736	1/4	51372	1/4	63008	1/4	74645	1/4	86280
1/2	5106	1/2	16740	1/2	28366	1/2	39978	1/2	51615	1/2	63251	1/2	74887	1/2	86523
3/4	5348	3/4	16983	3/4	28608	3/4	40221	3/4	51857	3/4	63493	3/4	75129	3/4	86765
7	5591	7	17225	7	28850	7	40463	7	52100	7	63736	7	75372	7	87008
1/4	5833	1/4	17468	1/4	29091	1/4	40706	1/4	52342	1/4	63978	1/4	75614	1/4	87250
1/2	6075	1/2	17710	1/2	29333	1/2	40948	1/2	52584	1/2	64221	1/2	75857	1/2	87492
3/4	6318	3/4	17952	3/4	29574	3/4	41191	3/4	52827	3/4	64463	3/4	76099	3/4	87735
8	6560	8	18195	8	29816	8	41433	8	53069	8	64705	8	76342	8	87977
1/4	6802	1/4	18437	1/4	30057	1/4	41675	1/4	53312	1/4	64948	1/4	76584	1/4	88220
1/2	7045	1/2	18680	1/2	30299	1/2	41918	1/2	53554	1/2	65190	1/2	76826	1/2	88462
3/4	7287	3/4	18922	3/4	30541	3/4	42160	3/4	53796	3/4	65433	3/4	77069	3/4	88705
9	7530	9	19164	9	30782	9	42403	9	54039	9	65675	9	77311	9	88947
1/4	7772	1/4	19407	1/4	31024	1/4	42645	1/4	54281	1/4	65918	1/4	77554	1/4	89189
1/2	8014	1/2	19649	1/2	31265	1/2	42887	1/2	54524	1/2	66160	1/2	77796	1/2	89432
3/4	8257	3/4	19892	3/4	31507	3/4	43130	3/4	54766	3/4	66402	3/4	78038	3/4	89674
10	8499	10	20134	10	31749	10	43372	10	55009	10	66645	10	78281	10	89917
1/4	8742	1/4	20376	1/4	31990	1/4	43615	1/4	55251	1/4	66887	1/4	78523	1/4	90159
1/2	8984	1/2	20619	1/2	32232	1/2	43857	1/2	55493	1/2	67130	1/2	78766	1/2	90401
3/4	9226	3/4	20861	3/4	32473	3/4	44100	3/4	55736	3/4	67372	3/4	79008	3/4	90644
11	9469	11	21103	11	32715	11	44342	11	55978	11	67614	11	79250	11	90886
1/4	9711	1/4	21346	1/4	32957	1/4	44584	1/4	56221	1/4	67857	1/4	79493	1/4	91129
1/2	9954	1/2	21588	1/2	33198	1/2	44827	1/2	56463	1/2	68099	1/2	79735	1/2	91371
3/4	10196	3/4	21831	3/4	33440	3/4	45069	3/4	56706	3/4	68342	3/4	79978	3/4	91613

\*\* VOLUME OF SUMP GAUGE FROM MANCUT VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK  
COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7  
Calibrated: WHF KTA/H  
Date: May 5, 1998

CAPACITIES IN U.S. GALLONS

PULL # 97-2142

TOTAL GAUGE HEIGHT: 15' 08"

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	91856	0	103491	0	115126	0	126760	0	138395	0	150031	0	161667	0	
1/4	92098	1/4	103734	1/4	115368	1/4	127003	1/4	138637	1/4	150274	1/4	161910	1/4	
1/2	92341	1/2	103976	1/2	115611	1/2	127245	1/2	138880	1/2	150516	1/2	162152	1/2	
3/4	92583	3/4	104219	3/4	115853	3/4	127488	3/4	139122	3/4	150758	3/4	162395	3/4	
1	92826	1	104461	1	116095	1	127730	1	139365	1	151001	1	162637	1	
1/4	93068	1/4	104703	1/4	116338	1/4	127972	1/4	139607	1/4	151243	1/4	162879	1/4	
1/2	93310	1/2	104946	1/2	116580	1/2	128215	1/2	139849	1/2	151486	1/2	163122	1/2	
3/4	93553	3/4	105188	3/4	116823	3/4	128457	3/4	140092	3/4	151728	3/4	163364	3/4	
2	93795	2	105430	2	117065	2	128699	2	140334	2	151970	2	163607	2	
1/4	94038	1/4	105673	1/4	117307	1/4	128942	1/4	140577	1/4	152213	1/4	163849	1/4	
1/2	94280	1/2	105915	1/2	117550	1/2	129184	1/2	140819	1/2	152455	1/2	164091	1/2	
3/4	94522	3/4	106158	3/4	117792	3/4	129427	3/4	141062	3/4	152698	3/4	164329	3/4	
3	94765	3	106400	3	118035	3	129669	3	141304	3	152940	3	164555	3	
1/4	95007	1/4	106642	1/4	118277	1/4	129911	1/4	141546	1/4	153183	1/4	164771	1/4	
1/2	95250	1/2	106885	1/2	118519	1/2	130154	1/2	141789	1/2	153425	1/2	164977	1/2	
3/4	95492	3/4	107127	3/4	118762	3/4	130396	3/4	142031	3/4	153667	3/4	165172	3/4	
4	95734	4	107370	4	119004	4	130639	4	142274	4	153910	4	165356	4	
1/4	95977	1/4	107612	1/4	119246	1/4	130881	1/4	142516	1/4	154152	1/4	165530	1/4	
1/2	96219	1/2	107854	1/2	119489	1/2	131123	1/2	142758	1/2	154395	1/2	165694	1/2	
3/4	96462	3/4	108097	3/4	119731	3/4	131366	3/4	143001	3/4	154637	3/4	165846	3/4	
5	96704	5	108339	5	119974	5	131608	5	143243	5	154879	5	165989	5	
1/4	96947	1/4	108581	1/4	120216	1/4	131850	1/4	143486	1/4	155122	1/4	166120	1/4	
1/2	97189	1/2	108824	1/2	120458	1/2	132093	1/2	143728	1/2	155364	1/2	166242	1/2	
3/4	97431	3/4	109066	3/4	120701	3/4	132335	3/4	143971	3/4	155607	3/4	166352	3/4	
6	97674	6	109309	6	120943	6	132578	6	144213	6	155849	6	166452	6	
1/4	97916	1/4	109551	1/4	121186	1/4	132820	1/4	144455	1/4	156092	1/4	166542	1/4	
1/2	98159	1/2	109793	1/2	121428	1/2	133062	1/2	144698	1/2	156334	1/2	166621	1/2	
3/4	98401	3/4	110036	3/4	121670	3/4	133305	3/4	144940	3/4	156576	3/4	166700	3/4	
7	98643	7	110278	7	121913	7	133547	7	145183	7	156819	7	166747	7	
1/4	98886	1/4	110521	1/4	122155	1/4	133790	1/4	145425	1/4	157061	1/4	166795	1/4	
1/2	99128	1/2	110763	1/2	122397	1/2	134032	1/2	145668	1/2	157304	1/2	166832	1/2	
3/4	99371	3/4	111005	3/4	122640	3/4	134274	3/4	145910	3/4	157546	3/4	166858	3/4	
8	99613	8	111248	8	122882	8	134517	8	146152	8	157789	8	166874	8	
1/4	99855	1/4	111490	1/4	123125	1/4	134759	1/4	146395	1/4	158031	1/4	166879	1/4	
1/2	100098	1/2	111733	1/2	123367	1/2	135002	1/2	146637	1/2	158273	1/2		1/2	
3/4	100340	3/4	111975	3/4	123609	3/4	135244	3/4	146880	3/4	158516	3/4		3/4	
9	100583	9	112217	9	123852	9	135486	9	147122	9	158758	9		9	
1/4	100825	1/4	112460	1/4	124094	1/4	135729	1/4	147364	1/4	159001	1/4		1/4	
1/2	101068	1/2	112702	1/2	124337	1/2	135971	1/2	147607	1/2	159243	1/2		1/2	
3/4	101310	3/4	112944	3/4	124579	3/4	136213	3/4	147849	3/4	159485	3/4		3/4	
10	101552	10	113187	10	124821	10	136456	10	148092	10	159728	10		10	
1/4	101795	1/4	113429	1/4	125064	1/4	136698	1/4	148334	1/4	159970	1/4		1/4	
1/2	102037	1/2	113672	1/2	125306	1/2	136941	1/2	148577	1/2	160213	1/2		1/2	
3/4	102279	3/4	113914	3/4	125548	3/4	137183	3/4	148819	3/4	160455	3/4		3/4	
11	102522	11	114156	11	125791	11	137425	11	149061	11	160698	11		11	
1/4	102764	1/4	114399	1/4	126033	1/4	137668	1/4	149304	1/4	160940	1/4		1/4	
1/2	103007	1/2	114641	1/2	126276	1/2	137910	1/2	149546	1/2	161182	1/2		1/2	
3/4	103249	3/4	114884	3/4	126518	3/4	138153	3/4	149789	3/4	161425	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MANCUT VALVE TO TOP OF THE TANK AT CENTRELINE

CAPACITIES IN U.S. GALLONS

HULL # 97-2142

TOTAL GAUGE HEIGHT: 15' 08 1/2"

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	35	0	9369	0	19810	0	30248	0	40690	0	51132	0	61574	0	72015
1/4	63	1/4	9587	1/4	20027	1/4	30466	1/4	40907	1/4	51349	1/4	61791	1/4	72233
1/2	108	1/2	9804	1/2	20245	1/2	30683	1/2	41125	1/2	51567	1/2	62009	1/2	72450
3/4	171	3/4	10022	3/4	20462	3/4	30901	3/4	41343	3/4	51784	3/4	62226	3/4	72668
1	253	1	10239	1	20680	1	31118	1	41560	1	52002	1	62444	1	72885
1/4	353	1/4	10457	1/4	20897	1/4	31336	1/4	41778	1/4	52220	1/4	62661	1/4	73103
1/2	470	1/2	10674	1/2	21114	1/2	31553	1/2	41995	1/2	52437	1/2	62879	1/2	73320
3/4	606	3/4	10892	3/4	21332	3/4	31771	3/4	42213	3/4	52655	3/4	63096	3/4	73538
2	760	2	11109	2	21549	2	31988	2	42430	2	52872	2	63314	2	73756
1/4	933	1/4	11327	1/4	21767	1/4	32206	1/4	42648	1/4	53090	1/4	63531	1/4	73973
1/2	1123	1/2	11544	1/2	21984	1/2	32423	1/2	42865	1/2	53307	1/2	63749	1/2	74191
3/4	1322	3/4	11762	3/4	22202	3/4	32641	3/4	43083	3/4	53525	3/4	63967	3/4	74408
3	1539	3	11979	3	22419	3	32859	3	43300	3	53742	3	64184	3	74626
1/4	1757	1/4	12197	1/4	22637	1/4	33076	1/4	43518	1/4	53960	1/4	64402	1/4	74843
1/2	1974	1/2	12415	1/2	22854	1/2	33294	1/2	43736	1/2	54177	1/2	64619	1/2	75061
3/4	2192	3/4	12632	3/4	23072	3/4	33511	3/4	43953	3/4	54395	3/4	64837	3/4	75278
4	2409	4	12850	4	23289	4	33729	4	44171	4	54612	4	65054	4	75496
1/4	2627	1/4	13067	1/4	23507	1/4	33946	1/4	44388	1/4	54830	1/4	65272	1/4	75713
1/2	2844	1/2	13285	1/2	23724	1/2	34164	1/2	44606	1/2	55048	1/2	65489	1/2	75931
3/4	3062	3/4	13502	3/4	23942	3/4	34381	3/4	44823	3/4	55265	3/4	65707	3/4	76148
5	3279	5	13720	5	24159	5	34599	5	45041	5	55483	5	65924	5	76366
1/4	3497	1/4	13937	1/4	24376	1/4	34816	1/4	45258	1/4	55700	1/4	66142	1/4	76583
1/2	3714	1/2	14155	1/2	24594	1/2	35034	1/2	45476	1/2	55918	1/2	66359	1/2	76801
3/4	3932	3/4	14372	3/4	24811	3/4	35251	3/4	45693	3/4	56135	3/4	66577	3/4	77018
6	4149	6	14590	6	25029	6	35469	6	45911	6	56353	6	66795	6	77236
1/4	4367	1/4	14807	1/4	25246	1/4	35687	1/4	46128	1/4	56570	1/4	67012	1/4	77454
1/2	4584	1/2	15025	1/2	25464	1/2	35904	1/2	46346	1/2	56788	1/2	67230	1/2	77671
3/4	4802	3/4	15242	3/4	25681	3/4	36122	3/4	46564	3/4	57005	3/4	67447	3/4	77889
7	5019	7	15460	7	25899	7	36339	7	46781	7	57223	7	67665	7	78106
1/4	5237	1/4	15677	1/4	26116	1/4	36557	1/4	46999	1/4	57440	1/4	67882	1/4	78324
1/2	5454	1/2	15895	1/2	26334	1/2	36774	1/2	47216	1/2	57658	1/2	68100	1/2	78541
3/4	5672	3/4	16112	3/4	26551	3/4	36992	3/4	47434	3/4	57876	3/4	68317	3/4	78759
8	5889	8	16330	8	26769	8	37209	8	47651	8	58093	8	68535	8	78976
1/4	6107	1/4	16547	1/4	26986	1/4	37427	1/4	47869	1/4	58311	1/4	68752	1/4	79194
1/2	6324	1/2	16765	1/2	27204	1/2	37644	1/2	48086	1/2	58528	1/2	68970	1/2	79411
3/4	6542	3/4	16982	3/4	27421	3/4	37862	3/4	48304	3/4	58746	3/4	69187	3/4	79629
9	6759	9	17200	9	27639	9	38079	9	48521	9	58963	9	69405	9	79846
1/4	6977	1/4	17417	1/4	27856	1/4	38297	1/4	48739	1/4	59181	1/4	69622	1/4	80064
1/2	7194	1/2	17635	1/2	28074	1/2	38515	1/2	48956	1/2	59398	1/2	69840	1/2	80281
3/4	7412	3/4	17852	3/4	28291	3/4	38732	3/4	49174	3/4	59616	3/4	70058	3/4	80499
10	7629	10	18070	10	28509	10	38950	10	49392	10	59833	10	70275	10	80716
1/4	7847	1/4	18287	1/4	28726	1/4	39167	1/4	49609	1/4	60051	1/4	70493	1/4	80934
1/2	8064	1/2	18505	1/2	28944	1/2	39385	1/2	49827	1/2	60268	1/2	70710	1/2	81151
3/4	8282	3/4	18722	3/4	29161	3/4	39602	3/4	50044	3/4	60486	3/4	70928	3/4	81369
11	8499	11	18940	11	29378	11	39820	11	50262	11	60703	11	71145	11	81587
1/4	8717	1/4	19157	1/4	29596	1/4	40037	1/4	50479	1/4	60921	1/4	71363	1/4	81804
1/2	8934	1/2	19375	1/2	29813	1/2	40255	1/2	50697	1/2	61139	1/2	71580	1/2	82022
3/4	9152	3/4	19592	3/4	30031	3/4	40472	3/4	50914	3/4	61356	3/4	71798	3/4	82239

VOLUME OF SUMP

GAUGE FROM MANHOLE VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calibrated: KJ/AH  
WHF  
May 5, 1998



Intertek Testing Services  
Caleb Brett

DOUBLE SKIN BARGE  
"IB-1933"

TANK: 3

CAPACITIES IN U.S. GALLONS

HULL # 97-2142

TOTAL GAUGE HEIGHT: 15' 08 1/2"

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	82457	0	92898	0	103338	0	113778	0	124218	0	134660	0	145102	0	
1/4	82674	1/4	93115	1/4	103555	1/4	113996	1/4	124436	1/4	134878	1/4	145319	1/4	
1/2	82892	1/2	93333	1/2	103773	1/2	114213	1/2	124653	1/2	135095	1/2	145537	1/2	
3/4	83109	3/4	93550	3/4	103990	3/4	114431	3/4	124871	3/4	135313	3/4	145754	3/4	
1	83327	1	93768	1	104208	1	114648	1	125088	1	135530	1	145972	1	
1/4	83544	1/4	93985	1/4	104425	1/4	114866	1/4	125306	1/4	135748	1/4	146190	1/4	
1/2	83762	1/2	94203	1/2	104643	1/2	115083	1/2	125523	1/2	135965	1/2	146407	1/2	
3/4	83979	3/4	94420	3/4	104860	3/4	115301	3/4	125741	3/4	136183	3/4	146625	3/4	
2	84197	2	94638	2	105078	2	115518	2	125959	2	136400	2	146842	2	
1/4	84414	1/4	94855	1/4	105295	1/4	115736	1/4	126176	1/4	136618	1/4	147060	1/4	
1/2	84632	1/2	95073	1/2	105513	1/2	115953	1/2	126394	1/2	136835	1/2	147277	1/2	
3/4	84849	3/4	95290	3/4	105730	3/4	116171	3/4	126611	3/4	137053	3/4	147490	3/4	
3	85067	3	95508	3	105948	3	116388	3	126829	3	137270	3	147693	3	
1/4	85285	1/4	95725	1/4	106165	1/4	116606	1/4	127046	1/4	137488	1/4	147887	1/4	
1/2	85502	1/2	95943	1/2	106383	1/2	116823	1/2	127264	1/2	137706	1/2	148072	1/2	
3/4	85720	3/4	96160	3/4	106600	3/4	117041	3/4	127481	3/4	137923	3/4	148247	3/4	
4	85937	4	96378	4	106818	4	117258	4	127699	4	138141	4	148412	4	
1/4	86155	1/4	96595	1/4	107035	1/4	117476	1/4	127916	1/4	138358	1/4	148568	1/4	
1/2	86372	1/2	96813	1/2	107253	1/2	117693	1/2	128134	1/2	138576	1/2	148715	1/2	
3/4	86590	3/4	97030	3/4	107470	3/4	117911	3/4	128351	3/4	138793	3/4	148852	3/4	
5	86807	5	97248	5	107688	5	118128	5	128569	5	139011	5	148980	5	
1/4	87025	1/4	97465	1/4	107905	1/4	118346	1/4	128787	1/4	139228	1/4	149098	1/4	
1/2	87242	1/2	97683	1/2	108123	1/2	118563	1/2	129004	1/2	139446	1/2	149207	1/2	
3/4	87460	3/4	97900	3/4	108340	3/4	118781	3/4	129222	3/4	139663	3/4	149306	3/4	
6	87677	6	98118	6	108558	6	118998	6	129439	6	139881	6	149396	6	
1/4	87895	1/4	98335	1/4	108775	1/4	119216	1/4	129657	1/4	140098	1/4	149476	1/4	
1/2	88112	1/2	98553	1/2	108993	1/2	119433	1/2	129874	1/2	140316	1/2	149547	1/2	
3/4	88330	3/4	98770	3/4	109210	3/4	119651	3/4	130092	3/4	140534	3/4	149609	3/4	
7	88547	7	98988	7	109428	7	119868	7	130309	7	140751	7	149661	7	
1/4	88765	1/4	99205	1/4	109646	1/4	120086	1/4	130527	1/4	140969	1/4	149703	1/4	
1/2	88983	1/2	99423	1/2	109863	1/2	120303	1/2	130744	1/2	141186	1/2	149736	1/2	
3/4	89200	3/4	99640	3/4	110081	3/4	120521	3/4	130962	3/4	141404	3/4	149760	3/4	
8	89418	8	99858	8	110298	8	120738	8	131179	8	141621	8	149774	8	
1/4	89635	1/4	100075	1/4	110516	1/4	120956	1/4	131397	1/4	141839	1/4	149779	1/4	
1/2	89853	1/2	100293	1/2	110733	1/2	121173	1/2	131615	1/2	142056	1/2		1/2	
3/4	90070	3/4	100510	3/4	110951	3/4	121391	3/4	131832	3/4	142274	3/4		3/4	
9	90288	9	100728	9	111168	9	121608	9	132050	9	142491	9		9	
1/4	90505	1/4	100945	1/4	111386	1/4	121826	1/4	132267	1/4	142709	1/4		1/4	
1/2	90723	1/2	101163	1/2	111603	1/2	122043	1/2	132485	1/2	142926	1/2		1/2	
3/4	90940	3/4	101380	3/4	111821	3/4	122261	3/4	132702	3/4	143144	3/4		3/4	
10	91158	10	101598	10	112038	10	122478	10	132920	10	143362	10		10	
1/4	91375	1/4	101815	1/4	112256	1/4	122696	1/4	133137	1/4	143579	1/4		1/4	
1/2	91593	1/2	102033	1/2	112473	1/2	122913	1/2	133355	1/2	143797	1/2		1/2	
3/4	91810	3/4	102250	3/4	112691	3/4	123131	3/4	133572	3/4	144014	3/4		3/4	
11	92028	11	102468	11	112908	11	123348	11	133790	11	144232	11		11	
1/4	92245	1/4	102685	1/4	113126	1/4	123566	1/4	134007	1/4	144449	1/4		1/4	
1/2	92463	1/2	102903	1/2	113343	1/2	123783	1/2	134225	1/2	144667	1/2		1/2	
3/4	92680	3/4	103120	3/4	113561	3/4	124001	3/4	134443	3/4	144884	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MANHOLE VALVE TO TOP OF THE TANK AT CENTERLINE

Calibrated: KJ/AH  
W/HF  
May 5, 1998