

DOUBLE SKIN BARGE
RCT 15

CAPACITIES IN U.S. GALLONS

HULL # 98-2645

TANK: 1

TOTAL GAUGE HEIGHT: 15' 08 5/8"

| 8 FT. | | 9 FT. | | 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | 81715 | 0 | 92139 | 0 | 102562 | 0 | 112553 | 0 | 122209 | 0 | 131865 | 0 | 141521 | 0 | |
| 1/4 | 81932 | 1/4 | 92356 | 1/4 | 102779 | 1/4 | 112755 | 1/4 | 122410 | 1/4 | 132066 | 1/4 | 141722 | 1/4 | |
| 1/2 | 82149 | 1/2 | 92573 | 1/2 | 102996 | 1/2 | 112956 | 1/2 | 122612 | 1/2 | 132268 | 1/2 | 141924 | 1/2 | |
| 3/4 | 82367 | 3/4 | 92790 | 3/4 | 103213 | 3/4 | 113157 | 3/4 | 122813 | 3/4 | 132469 | 3/4 | 142125 | 3/4 | |
| 1 | 82584 | 1 | 93008 | 1 | 103430 | 1 | 113358 | 1 | 123014 | 1 | 132670 | 1 | 142326 | 1 | |
| 1/4 | 82801 | 1/4 | 93225 | 1/4 | 103648 | 1/4 | 113559 | 1/4 | 123215 | 1/4 | 132871 | 1/4 | 142527 | 1/4 | |
| 1/2 | 83018 | 1/2 | 93442 | 1/2 | 103865 | 1/2 | 113760 | 1/2 | 123416 | 1/2 | 133072 | 1/2 | 142724 | 1/2 | |
| 3/4 | 83235 | 3/4 | 93659 | 3/4 | 104082 | 3/4 | 113962 | 3/4 | 123617 | 3/4 | 133273 | 3/4 | 142914 | 3/4 | |
| 2 | 83452 | 2 | 93876 | 2 | 104299 | 2 | 114163 | 2 | 123819 | 2 | 133475 | 2 | 143096 | 2 | |
| 1/4 | 83670 | 1/4 | 94093 | 1/4 | 104516 | 1/4 | 114364 | 1/4 | 124020 | 1/4 | 133676 | 1/4 | 143270 | 1/4 | |
| 1/2 | 83887 | 1/2 | 94310 | 1/2 | 104733 | 1/2 | 114565 | 1/2 | 124221 | 1/2 | 133877 | 1/2 | 143436 | 1/2 | |
| 3/4 | 84104 | 3/4 | 94528 | 3/4 | 104950 | 3/4 | 114766 | 3/4 | 124422 | 3/4 | 134078 | 3/4 | 143595 | 3/4 | |
| 3 | 84321 | 3 | 94745 | 3 | 105168 | 3 | 114967 | 3 | 124623 | 3 | 134279 | 3 | 143746 | 3 | |
| 1/4 | 84538 | 1/4 | 94962 | 1/4 | 105385 | 1/4 | 115169 | 1/4 | 124824 | 1/4 | 134480 | 1/4 | 143889 | 1/4 | |
| 1/2 | 84755 | 1/2 | 95179 | 1/2 | 105602 | 1/2 | 115370 | 1/2 | 125026 | 1/2 | 134682 | 1/2 | 144024 | 1/2 | |
| 3/4 | 84973 | 3/4 | 95396 | 3/4 | 105819 | 3/4 | 115571 | 3/4 | 125227 | 3/4 | 134883 | 3/4 | 144152 | 3/4 | |
| 4 | 85190 | 4 | 95613 | 4 | 106036 | 4 | 115772 | 4 | 125428 | 4 | 135084 | 4 | 144272 | 4 | |
| 1/4 | 85407 | 1/4 | 95830 | 1/4 | 106253 | 1/4 | 115973 | 1/4 | 125629 | 1/4 | 135285 | 1/4 | 144384 | 1/4 | |
| 1/2 | 85624 | 1/2 | 96048 | 1/2 | 106470 | 1/2 | 116174 | 1/2 | 125830 | 1/2 | 135486 | 1/2 | 144489 | 1/2 | |
| 3/4 | 85841 | 3/4 | 96265 | 3/4 | 106688 | 3/4 | 116376 | 3/4 | 126031 | 3/4 | 135687 | 3/4 | 144585 | 3/4 | |
| 5 | 86058 | 5 | 96482 | 5 | 106905 | 5 | 116577 | 5 | 126233 | 5 | 135889 | 5 | 144674 | 5 | |
| 1/4 | 86276 | 1/4 | 96699 | 1/4 | 107122 | 1/4 | 116778 | 1/4 | 126434 | 1/4 | 136090 | 1/4 | 144756 | 1/4 | |
| 1/2 | 86493 | 1/2 | 96916 | 1/2 | 107323 | 1/2 | 116979 | 1/2 | 126635 | 1/2 | 136291 | 1/2 | 144829 | 1/2 | |
| 3/4 | 86710 | 3/4 | 97133 | 3/4 | 107524 | 3/4 | 117180 | 3/4 | 126836 | 3/4 | 136492 | 3/4 | 144895 | 3/4 | |
| 6 | 86927 | 6 | 97350 | 6 | 107725 | 6 | 117381 | 6 | 127037 | 6 | 136693 | 6 | 144953 | 6 | |
| 1/4 | 87144 | 1/4 | 97568 | 1/4 | 107927 | 1/4 | 117583 | 1/4 | 127238 | 1/4 | 136894 | 1/4 | 145003 | 1/4 | |
| 1/2 | 87362 | 1/2 | 97785 | 1/2 | 108128 | 1/2 | 117784 | 1/2 | 127440 | 1/2 | 137096 | 1/2 | 145046 | 1/2 | |
| 3/4 | 87579 | 3/4 | 98002 | 3/4 | 108329 | 3/4 | 117985 | 3/4 | 127641 | 3/4 | 137297 | 3/4 | 145081 | 3/4 | |
| 7 | 87796 | 7 | 98219 | 7 | 108530 | 7 | 118186 | 7 | 127842 | 7 | 137498 | 7 | 145108 | 7 | |
| 1/4 | 88013 | 1/4 | 98436 | 1/4 | 108731 | 1/4 | 118387 | 1/4 | 128043 | 1/4 | 137699 | 1/4 | 145127 | 1/4 | |
| 1/2 | 88230 | 1/2 | 98653 | 1/2 | 108932 | 1/2 | 118588 | 1/2 | 128244 | 1/2 | 137900 | 1/2 | 145139 | 1/2 | |
| 3/4 | 88447 | 3/4 | 98870 | 3/4 | 109134 | 3/4 | 118790 | 3/4 | 128445 | 3/4 | 138101 | 3/4 | 145142 | 3/4 | |
| 8 | 88665 | 8 | 99088 | 8 | 109335 | 8 | 118991 | 8 | 128647 | 8 | 138303 | 8 | | 8 | |
| 1/4 | 88882 | 1/4 | 99305 | 1/4 | 109536 | 1/4 | 119192 | 1/4 | 128848 | 1/4 | 138504 | 1/4 | | 1/4 | |
| 1/2 | 89099 | 1/2 | 99522 | 1/2 | 109737 | 1/2 | 119393 | 1/2 | 129049 | 1/2 | 138705 | 1/2 | | 1/2 | |
| 3/4 | 89316 | 3/4 | 99739 | 3/4 | 109938 | 3/4 | 119594 | 3/4 | 129250 | 3/4 | 138906 | 3/4 | | 3/4 | |
| 9 | 89533 | 9 | 99956 | 9 | 110139 | 9 | 119795 | 9 | 129451 | 9 | 139107 | 9 | | 9 | |
| 1/4 | 89750 | 1/4 | 100173 | 1/4 | 110341 | 1/4 | 119996 | 1/4 | 129652 | 1/4 | 139308 | 1/4 | | 1/4 | |
| 1/2 | 89968 | 1/2 | 100390 | 1/2 | 110542 | 1/2 | 120198 | 1/2 | 129854 | 1/2 | 139510 | 1/2 | | 1/2 | |
| 3/4 | 90185 | 3/4 | 100608 | 3/4 | 110743 | 3/4 | 120399 | 3/4 | 130055 | 3/4 | 139711 | 3/4 | | 3/4 | |
| 10 | 90402 | 10 | 100825 | 10 | 110944 | 10 | 120600 | 10 | 130256 | 10 | 139912 | 10 | | 10 | |
| 1/4 | 90619 | 1/4 | 101042 | 1/4 | 111145 | 1/4 | 120801 | 1/4 | 130457 | 1/4 | 140113 | 1/4 | | 1/4 | |
| 1/2 | 90836 | 1/2 | 101259 | 1/2 | 111346 | 1/2 | 121002 | 1/2 | 130658 | 1/2 | 140314 | 1/2 | | 1/2 | |
| 3/4 | 91053 | 3/4 | 101476 | 3/4 | 111548 | 3/4 | 121203 | 3/4 | 130859 | 3/4 | 140515 | 3/4 | | 3/4 | |
| 11 | 91270 | 11 | 101693 | 11 | 111749 | 11 | 121405 | 11 | 131061 | 11 | 140717 | 11 | | 11 | |
| 1/4 | 91488 | 1/4 | 101910 | 1/4 | 111950 | 1/4 | 121606 | 1/4 | 131262 | 1/4 | 140918 | 1/4 | | 1/4 | |
| 1/2 | 91705 | 1/2 | 102128 | 1/2 | 112151 | 1/2 | 121807 | 1/2 | 131463 | 1/2 | 141119 | 1/2 | | 1/2 | |
| 3/4 | 91922 | 3/4 | 102345 | 3/4 | 112352 | 3/4 | 122008 | 3/4 | 131664 | 3/4 | 141320 | 3/4 | | 3/4 | |

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2" GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE

IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS 15' 09"

ADJUSTMENT TO INNAE GAUGES Nil

Calibrated: KT/AH

Calculation: WHF

Dated: June 21, 1999



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
RCT 15

TANK: 1

CAPACITIES IN U.S. GALLONS

HULL # 98-2645

TOTAL GAUGE HEIGHT: 15' 08 5/8"

| 0 FT | | 1 FT | | 2 FT | | 3 FT | | 4 FT | | 5 FT | | 6 FT | | 7 FT | |
|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 30 | 0 | 8778 | 0 | 19201 | 0 | 29598 | 0 | 40017 | 0 | 50442 | 0 | 60867 | 0 | 71291 |
| 1/4 | 53 | 1/4 | 8995 | 1/4 | 19418 | 1/4 | 29814 | 1/4 | 40234 | 1/4 | 50659 | 1/4 | 61084 | 1/4 | 71508 |
| 1/2 | 82 | 1/2 | 9212 | 1/2 | 19635 | 1/2 | 30030 | 1/2 | 40452 | 1/2 | 50876 | 1/2 | 61301 | 1/2 | 71725 |
| 3/4 | 131 | 3/4 | 9429 | 3/4 | 19852 | 3/4 | 30247 | 3/4 | 40669 | 3/4 | 51094 | 3/4 | 61518 | 3/4 | 71942 |
| 1 | 187 | 1 | 9647 | 1 | 20069 | 1 | 30463 | 1 | 40886 | 1 | 51311 | 1 | 61735 | 1 | 72160 |
| 1/4 | 263 | 1/4 | 9864 | 1/4 | 20286 | 1/4 | 30679 | 1/4 | 41103 | 1/4 | 51528 | 1/4 | 61952 | 1/4 | 72377 |
| 1/2 | 347 | 1/2 | 10081 | 1/2 | 20504 | 1/2 | 30896 | 1/2 | 41320 | 1/2 | 51745 | 1/2 | 62170 | 1/2 | 72594 |
| 3/4 | 452 | 3/4 | 10298 | 3/4 | 20721 | 3/4 | 31113 | 3/4 | 41538 | 3/4 | 51962 | 3/4 | 62387 | 3/4 | 72811 |
| 2 | 566 | 2 | 10515 | 2 | 20938 | 2 | 31330 | 2 | 41755 | 2 | 52179 | 2 | 62604 | 2 | 73028 |
| 1/4 | 701 | 1/4 | 10732 | 1/4 | 21155 | 1/4 | 31547 | 1/4 | 41972 | 1/4 | 52397 | 1/4 | 62821 | 1/4 | 73245 |
| 1/2 | 845 | 1/2 | 10949 | 1/2 | 21372 | 1/2 | 31764 | 1/2 | 42189 | 1/2 | 52614 | 1/2 | 63038 | 1/2 | 73463 |
| 3/4 | 1002 | 3/4 | 11167 | 3/4 | 21589 | 3/4 | 31982 | 3/4 | 42406 | 3/4 | 52831 | 3/4 | 63255 | 3/4 | 73680 |
| 3 | 1171 | 3 | 11384 | 3 | 21806 | 3 | 32199 | 3 | 42623 | 3 | 53048 | 3 | 63473 | 3 | 73897 |
| 1/4 | 1353 | 1/4 | 11601 | 1/4 | 22023 | 1/4 | 32416 | 1/4 | 42841 | 1/4 | 53265 | 1/4 | 63690 | 1/4 | 74114 |
| 1/2 | 1539 | 1/2 | 11818 | 1/2 | 22240 | 1/2 | 32633 | 1/2 | 43058 | 1/2 | 53482 | 1/2 | 63907 | 1/2 | 74331 |
| 3/4 | 1728 | 3/4 | 12035 | 3/4 | 22458 | 3/4 | 32850 | 3/4 | 43275 | 3/4 | 53700 | 3/4 | 64124 | 3/4 | 74548 |
| 4 | 1921 | 4 | 12252 | 4 | 22675 | 4 | 33068 | 4 | 43492 | 4 | 53917 | 4 | 64341 | 4 | 74766 |
| 1/4 | 2117 | 1/4 | 12469 | 1/4 | 22891 | 1/4 | 33285 | 1/4 | 43709 | 1/4 | 54134 | 1/4 | 64559 | 1/4 | 74983 |
| 1/2 | 2317 | 1/2 | 12687 | 1/2 | 23107 | 1/2 | 33502 | 1/2 | 43927 | 1/2 | 54351 | 1/2 | 64776 | 1/2 | 75200 |
| 3/4 | 2519 | 3/4 | 12904 | 3/4 | 23324 | 3/4 | 33719 | 3/4 | 44144 | 3/4 | 54568 | 3/4 | 64993 | 3/4 | 75417 |
| 5 | 2725 | 5 | 13121 | 5 | 23540 | 5 | 33936 | 5 | 44361 | 5 | 54786 | 5 | 65210 | 5 | 75634 |
| 1/4 | 2933 | 1/4 | 13338 | 1/4 | 23756 | 1/4 | 34153 | 1/4 | 44578 | 1/4 | 55003 | 1/4 | 65427 | 1/4 | 75852 |
| 1/2 | 3143 | 1/2 | 13555 | 1/2 | 23973 | 1/2 | 34371 | 1/2 | 44795 | 1/2 | 55220 | 1/2 | 65644 | 1/2 | 76069 |
| 3/4 | 3356 | 3/4 | 13772 | 3/4 | 24189 | 3/4 | 34588 | 3/4 | 45012 | 3/4 | 55437 | 3/4 | 65862 | 3/4 | 76286 |
| 6 | 3570 | 6 | 13989 | 6 | 24405 | 6 | 34805 | 6 | 45230 | 6 | 55654 | 6 | 66079 | 6 | 76503 |
| 1/4 | 3785 | 1/4 | 14207 | 1/4 | 24622 | 1/4 | 35022 | 1/4 | 45447 | 1/4 | 55871 | 1/4 | 66296 | 1/4 | 76720 |
| 1/2 | 4001 | 1/2 | 14424 | 1/2 | 24838 | 1/2 | 35239 | 1/2 | 45664 | 1/2 | 56089 | 1/2 | 66513 | 1/2 | 76937 |
| 3/4 | 4218 | 3/4 | 14641 | 3/4 | 25054 | 3/4 | 35457 | 3/4 | 45881 | 3/4 | 56306 | 3/4 | 66730 | 3/4 | 77155 |
| 7 | 4435 | 7 | 14858 | 7 | 25271 | 7 | 35674 | 7 | 46098 | 7 | 56523 | 7 | 66948 | 7 | 77372 |
| 1/4 | 4652 | 1/4 | 15075 | 1/4 | 25487 | 1/4 | 35891 | 1/4 | 46316 | 1/4 | 56740 | 1/4 | 67165 | 1/4 | 77589 |
| 1/2 | 4869 | 1/2 | 15292 | 1/2 | 25703 | 1/2 | 36108 | 1/2 | 46533 | 1/2 | 56957 | 1/2 | 67382 | 1/2 | 77806 |
| 3/4 | 5086 | 3/4 | 15510 | 3/4 | 25920 | 3/4 | 36325 | 3/4 | 46750 | 3/4 | 57175 | 3/4 | 67599 | 3/4 | 78023 |
| 8 | 5304 | 8 | 15727 | 8 | 26136 | 8 | 36542 | 8 | 46967 | 8 | 57392 | 8 | 67816 | 8 | 78240 |
| 1/4 | 5521 | 1/4 | 15944 | 1/4 | 26352 | 1/4 | 36760 | 1/4 | 47184 | 1/4 | 57609 | 1/4 | 68033 | 1/4 | 78458 |
| 1/2 | 5738 | 1/2 | 16161 | 1/2 | 26569 | 1/2 | 36977 | 1/2 | 47401 | 1/2 | 57826 | 1/2 | 68251 | 1/2 | 78675 |
| 3/4 | 5955 | 3/4 | 16378 | 3/4 | 26785 | 3/4 | 37194 | 3/4 | 47619 | 3/4 | 58043 | 3/4 | 68468 | 3/4 | 78892 |
| 9 | 6172 | 9 | 16595 | 9 | 27002 | 9 | 37411 | 9 | 47836 | 9 | 58260 | 9 | 68685 | 9 | 79109 |
| 1/4 | 6389 | 1/4 | 16812 | 1/4 | 27218 | 1/4 | 37628 | 1/4 | 48053 | 1/4 | 58478 | 1/4 | 68902 | 1/4 | 79326 |
| 1/2 | 6606 | 1/2 | 17030 | 1/2 | 27434 | 1/2 | 37845 | 1/2 | 48270 | 1/2 | 58695 | 1/2 | 69119 | 1/2 | 79543 |
| 3/4 | 6824 | 3/4 | 17247 | 3/4 | 27651 | 3/4 | 38063 | 3/4 | 48487 | 3/4 | 58912 | 3/4 | 69336 | 3/4 | 79761 |
| 10 | 7041 | 10 | 17464 | 10 | 27867 | 10 | 38280 | 10 | 48705 | 10 | 59129 | 10 | 69554 | 10 | 79978 |
| 1/4 | 7258 | 1/4 | 17681 | 1/4 | 28083 | 1/4 | 38497 | 1/4 | 48922 | 1/4 | 59346 | 1/4 | 69771 | 1/4 | 80195 |
| 1/2 | 7475 | 1/2 | 17898 | 1/2 | 28300 | 1/2 | 38714 | 1/2 | 49139 | 1/2 | 59563 | 1/2 | 69988 | 1/2 | 80412 |
| 3/4 | 7692 | 3/4 | 18115 | 3/4 | 28516 | 3/4 | 38931 | 3/4 | 49356 | 3/4 | 59781 | 3/4 | 70205 | 3/4 | 80629 |
| 11 | 7909 | 11 | 18332 | 11 | 28732 | 11 | 39149 | 11 | 49573 | 11 | 59998 | 11 | 70422 | 11 | 80846 |
| 1/4 | 8126 | 1/4 | 18550 | 1/4 | 28949 | 1/4 | 39366 | 1/4 | 49790 | 1/4 | 60215 | 1/4 | 70639 | 1/4 | 81064 |
| 1/2 | 8344 | 1/2 | 18767 | 1/2 | 29165 | 1/2 | 39583 | 1/2 | 50008 | 1/2 | 60432 | 1/2 | 70857 | 1/2 | 81281 |
| 3/4 | 8561 | 3/4 | 18984 | 3/4 | 29381 | 3/4 | 39800 | 3/4 | 50225 | 3/4 | 60649 | 3/4 | 71074 | 3/4 | 81498 |

Calibrated: RT/AH
 Calculation: WHF
 Dated: June 21 1999

** VOLUME OF SUMP
 COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7
 GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

DOUBLE SKIN BARGE
RCT 15

TANK: 2

TOTAL GAUGE HEIGHT: 15' 09"

HULL # 98-2645

CAPACITIES IN U.S. GALLONS

| 0 FT | | 1 FT | | 2 FT | | 3 FT | | 4 FT | | 5 FT | | 6 FT | | 7 FT | |
|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | 30 | 0 | 8808 | 0 | 19266 | 0 | 29698 | 0 | 40154 | 0 | 50614 | 0 | 61074 | 0 | 71534 |
| 1/4 | 52 | 1/4 | 9025 | 1/4 | 19484 | 1/4 | 29916 | 1/4 | 40372 | 1/4 | 50832 | 1/4 | 61292 | 1/4 | 71752 |
| 1/2 | 82 | 1/2 | 9243 | 1/2 | 19702 | 1/2 | 30133 | 1/2 | 40589 | 1/2 | 51050 | 1/2 | 61510 | 1/2 | 71970 |
| 3/4 | 130 | 3/4 | 9461 | 3/4 | 19920 | 3/4 | 30350 | 3/4 | 40807 | 3/4 | 51268 | 3/4 | 61728 | 3/4 | 72188 |
| 1 | 187 | 1 | 9679 | 1 | 20138 | 1 | 30567 | 1 | 41025 | 1 | 51486 | 1 | 61946 | 1 | 72406 |
| 1/4 | 263 | 1/4 | 9897 | 1/4 | 20355 | 1/4 | 30784 | 1/4 | 41243 | 1/4 | 51704 | 1/4 | 62164 | 1/4 | 72624 |
| 1/2 | 348 | 1/2 | 10115 | 1/2 | 20573 | 1/2 | 31001 | 1/2 | 41461 | 1/2 | 51921 | 1/2 | 62382 | 1/2 | 72841 |
| 3/4 | 453 | 3/4 | 10333 | 3/4 | 20791 | 3/4 | 31219 | 3/4 | 41679 | 3/4 | 52139 | 3/4 | 62599 | 3/4 | 73059 |
| 2 | 567 | 2 | 10551 | 2 | 21009 | 2 | 31437 | 2 | 41897 | 2 | 52357 | 2 | 62817 | 2 | 73277 |
| 1/4 | 702 | 1/4 | 10769 | 1/4 | 21227 | 1/4 | 31655 | 1/4 | 42115 | 1/4 | 52575 | 1/4 | 63035 | 1/4 | 73495 |
| 1/2 | 847 | 1/2 | 10986 | 1/2 | 21445 | 1/2 | 31873 | 1/2 | 42333 | 1/2 | 52793 | 1/2 | 63253 | 1/2 | 73713 |
| 3/4 | 1005 | 3/4 | 11204 | 3/4 | 21662 | 3/4 | 32091 | 3/4 | 42551 | 3/4 | 53011 | 3/4 | 63471 | 3/4 | 73931 |
| 3 | 1174 | 3 | 11422 | 3 | 21880 | 3 | 32308 | 3 | 42769 | 3 | 53229 | 3 | 63689 | 3 | 74149 |
| 1/4 | 1357 | 1/4 | 11640 | 1/4 | 22098 | 1/4 | 32526 | 1/4 | 42987 | 1/4 | 53447 | 1/4 | 63907 | 1/4 | 74367 |
| 1/2 | 1544 | 1/2 | 11858 | 1/2 | 22316 | 1/2 | 32744 | 1/2 | 43205 | 1/2 | 53665 | 1/2 | 64125 | 1/2 | 74585 |
| 3/4 | 1734 | 3/4 | 12076 | 3/4 | 22534 | 3/4 | 32962 | 3/4 | 43422 | 3/4 | 53883 | 3/4 | 64343 | 3/4 | 74803 |
| 4 | 1927 | 4 | 12294 | 4 | 22752 | 4 | 33180 | 4 | 43640 | 4 | 54101 | 4 | 64561 | 4 | 75021 |
| 1/4 | 2124 | 1/4 | 12512 | 1/4 | 22969 | 1/4 | 33398 | 1/4 | 43858 | 1/4 | 54319 | 1/4 | 64779 | 1/4 | 75239 |
| 1/2 | 2324 | 1/2 | 12730 | 1/2 | 23186 | 1/2 | 33616 | 1/2 | 44076 | 1/2 | 54536 | 1/2 | 64997 | 1/2 | 75456 |
| 3/4 | 2527 | 3/4 | 12947 | 3/4 | 23403 | 3/4 | 33834 | 3/4 | 44294 | 3/4 | 54754 | 3/4 | 65215 | 3/4 | 75674 |
| 5 | 2734 | 5 | 13165 | 5 | 23620 | 5 | 34052 | 5 | 44512 | 5 | 54972 | 5 | 65432 | 5 | 75892 |
| 1/4 | 2943 | 1/4 | 13383 | 1/4 | 23837 | 1/4 | 34270 | 1/4 | 44730 | 1/4 | 55190 | 1/4 | 65650 | 1/4 | 76110 |
| 1/2 | 3154 | 1/2 | 13601 | 1/2 | 24054 | 1/2 | 34488 | 1/2 | 44948 | 1/2 | 55408 | 1/2 | 65868 | 1/2 | 76328 |
| 3/4 | 3367 | 3/4 | 13819 | 3/4 | 24271 | 3/4 | 34706 | 3/4 | 45166 | 3/4 | 55626 | 3/4 | 66086 | 3/4 | 76546 |
| 6 | 3582 | 6 | 14037 | 6 | 24488 | 6 | 34924 | 6 | 45384 | 6 | 55844 | 6 | 66304 | 6 | 76764 |
| 1/4 | 3797 | 1/4 | 14255 | 1/4 | 24705 | 1/4 | 35141 | 1/4 | 45602 | 1/4 | 56062 | 1/4 | 66522 | 1/4 | 76982 |
| 1/2 | 4014 | 1/2 | 14473 | 1/2 | 24923 | 1/2 | 35359 | 1/2 | 45820 | 1/2 | 56280 | 1/2 | 66740 | 1/2 | 77200 |
| 3/4 | 4232 | 3/4 | 14691 | 3/4 | 25140 | 3/4 | 35577 | 3/4 | 46038 | 3/4 | 56498 | 3/4 | 66958 | 3/4 | 77418 |
| 7 | 4450 | 7 | 14908 | 7 | 25357 | 7 | 35795 | 7 | 46255 | 7 | 56716 | 7 | 67176 | 7 | 77636 |
| 1/4 | 4668 | 1/4 | 15126 | 1/4 | 25574 | 1/4 | 36013 | 1/4 | 46473 | 1/4 | 56934 | 1/4 | 67394 | 1/4 | 77853 |
| 1/2 | 4886 | 1/2 | 15344 | 1/2 | 25791 | 1/2 | 36231 | 1/2 | 46691 | 1/2 | 57151 | 1/2 | 67612 | 1/2 | 78071 |
| 3/4 | 5103 | 3/4 | 15562 | 3/4 | 26008 | 3/4 | 36449 | 3/4 | 46909 | 3/4 | 57369 | 3/4 | 67830 | 3/4 | 78289 |
| 8 | 5321 | 8 | 15780 | 8 | 26225 | 8 | 36667 | 8 | 47127 | 8 | 57587 | 8 | 68047 | 8 | 78507 |
| 1/4 | 5539 | 1/4 | 15998 | 1/4 | 26442 | 1/4 | 36885 | 1/4 | 47345 | 1/4 | 57805 | 1/4 | 68265 | 1/4 | 78725 |
| 1/2 | 5757 | 1/2 | 16216 | 1/2 | 26659 | 1/2 | 37103 | 1/2 | 47563 | 1/2 | 58023 | 1/2 | 68483 | 1/2 | 78943 |
| 3/4 | 5975 | 3/4 | 16434 | 3/4 | 26876 | 3/4 | 37321 | 3/4 | 47781 | 3/4 | 58241 | 3/4 | 68701 | 3/4 | 79161 |
| 9 | 6193 | 9 | 16652 | 9 | 27093 | 9 | 37539 | 9 | 47999 | 9 | 58459 | 9 | 68919 | 9 | 79379 |
| 1/4 | 6411 | 1/4 | 16869 | 1/4 | 27310 | 1/4 | 37757 | 1/4 | 48217 | 1/4 | 58677 | 1/4 | 69137 | 1/4 | 79597 |
| 1/2 | 6629 | 1/2 | 17087 | 1/2 | 27528 | 1/2 | 37974 | 1/2 | 48435 | 1/2 | 58895 | 1/2 | 69355 | 1/2 | 79815 |
| 3/4 | 6847 | 3/4 | 17305 | 3/4 | 27745 | 3/4 | 38192 | 3/4 | 48653 | 3/4 | 59113 | 3/4 | 69573 | 3/4 | 80033 |
| 10 | 7064 | 10 | 17523 | 10 | 27962 | 10 | 38410 | 10 | 48871 | 10 | 59331 | 10 | 69791 | 10 | 80250 |
| 1/4 | 7282 | 1/4 | 17741 | 1/4 | 28179 | 1/4 | 38628 | 1/4 | 49088 | 1/4 | 59549 | 1/4 | 70009 | 1/4 | 80468 |
| 1/2 | 7500 | 1/2 | 17959 | 1/2 | 28396 | 1/2 | 38846 | 1/2 | 49306 | 1/2 | 59767 | 1/2 | 70227 | 1/2 | 80686 |
| 3/4 | 7718 | 3/4 | 18177 | 3/4 | 28613 | 3/4 | 39064 | 3/4 | 49524 | 3/4 | 59984 | 3/4 | 70444 | 3/4 | 80904 |
| 11 | 7936 | 11 | 18395 | 11 | 28830 | 11 | 39282 | 11 | 49742 | 11 | 60202 | 11 | 70662 | 11 | 81122 |
| 1/4 | 8154 | 1/4 | 18613 | 1/4 | 29047 | 1/4 | 39500 | 1/4 | 49960 | 1/4 | 60420 | 1/4 | 70880 | 1/4 | 81340 |
| 1/2 | 8372 | 1/2 | 18830 | 1/2 | 29264 | 1/2 | 39718 | 1/2 | 50178 | 1/2 | 60638 | 1/2 | 71098 | 1/2 | 81558 |
| 3/4 | 8590 | 3/4 | 19048 | 3/4 | 29481 | 3/4 | 39936 | 3/4 | 50396 | 3/4 | 60856 | 3/4 | 71316 | 3/4 | 81776 |

** VOLUME OF SUMP
COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calibrated: KT/AH
Calculation: WHF
Dated: June 21, 1999

KT/AH
WHF
June 21, 1999

RCT 15

TANK: 2

CAPACITIES IN U.S. GALLONS HULL # 98-2645 TOTAL GAUGE HEIGHT: 15' 09"

| 8 FT | | 9 FT | | 10 FT | | 11 FT | | 12 FT | | 13 FT | | 14 FT | | 15 FT | |
|------|-------|------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 81994 | 0 | 92453 | 0 | 102912 | 0 | 113370 | 0 | 123829 | 0 | 134287 | 0 | 144746 | 0 | |
| 1/4 | 82212 | 1/4 | 92671 | 1/4 | 103130 | 1/4 | 113588 | 1/4 | 124047 | 1/4 | 134505 | 1/4 | 144964 | 1/4 | |
| 1/2 | 82430 | 1/2 | 92889 | 1/2 | 103347 | 1/2 | 113806 | 1/2 | 124264 | 1/2 | 134723 | 1/2 | 145181 | 1/2 | |
| 3/4 | 82647 | 3/4 | 93107 | 3/4 | 103565 | 3/4 | 114024 | 3/4 | 124482 | 3/4 | 134941 | 3/4 | 145399 | 3/4 | |
| 1 | 82865 | 1 | 93325 | 1 | 103783 | 1 | 114242 | 1 | 124700 | 1 | 135159 | 1 | 145617 | 1 | |
| 1/4 | 83083 | 1/4 | 93543 | 1/4 | 104001 | 1/4 | 114460 | 1/4 | 124918 | 1/4 | 135377 | 1/4 | 145835 | 1/4 | |
| 1/2 | 83301 | 1/2 | 93761 | 1/2 | 104219 | 1/2 | 114677 | 1/2 | 125136 | 1/2 | 135594 | 1/2 | 146053 | 1/2 | |
| 3/4 | 83519 | 3/4 | 93978 | 3/4 | 104437 | 3/4 | 114895 | 3/4 | 125354 | 3/4 | 135812 | 3/4 | 146271 | 3/4 | |
| 2 | 83737 | 2 | 94196 | 2 | 104655 | 2 | 115113 | 2 | 125572 | 2 | 136030 | 2 | 146489 | 2 | |
| 1/4 | 83955 | 1/4 | 94414 | 1/4 | 104873 | 1/4 | 115331 | 1/4 | 125790 | 1/4 | 136248 | 1/4 | 146707 | 1/4 | |
| 1/2 | 84173 | 1/2 | 94632 | 1/2 | 105091 | 1/2 | 115549 | 1/2 | 126008 | 1/2 | 136466 | 1/2 | 146920 | 1/2 | |
| 3/4 | 84391 | 3/4 | 94850 | 3/4 | 105308 | 3/4 | 115767 | 3/4 | 126225 | 3/4 | 136684 | 3/4 | 147130 | 3/4 | |
| 3 | 84609 | 3 | 95068 | 3 | 105526 | 3 | 115985 | 3 | 126443 | 3 | 136902 | 3 | 147331 | 3 | |
| 1/4 | 84827 | 1/4 | 95286 | 1/4 | 105744 | 1/4 | 116203 | 1/4 | 126661 | 1/4 | 137120 | 1/4 | 147524 | 1/4 | |
| 1/2 | 85045 | 1/2 | 95504 | 1/2 | 105962 | 1/2 | 116421 | 1/2 | 126879 | 1/2 | 137338 | 1/2 | 147708 | 1/2 | |
| 3/4 | 85262 | 3/4 | 95721 | 3/4 | 106180 | 3/4 | 116638 | 3/4 | 127097 | 3/4 | 137555 | 3/4 | 147884 | 3/4 | |
| 4 | 85480 | 4 | 95939 | 4 | 106398 | 4 | 116856 | 4 | 127315 | 4 | 137773 | 4 | 148052 | 4 | |
| 1/4 | 85698 | 1/4 | 96157 | 1/4 | 106616 | 1/4 | 117074 | 1/4 | 127533 | 1/4 | 137991 | 1/4 | 148211 | 1/4 | |
| 1/2 | 85916 | 1/2 | 96375 | 1/2 | 106834 | 1/2 | 117292 | 1/2 | 127751 | 1/2 | 138209 | 1/2 | 148362 | 1/2 | |
| 3/4 | 86134 | 3/4 | 96593 | 3/4 | 107052 | 3/4 | 117510 | 3/4 | 127968 | 3/4 | 138427 | 3/4 | 148504 | 3/4 | |
| 5 | 86352 | 5 | 96811 | 5 | 107269 | 5 | 117728 | 5 | 128186 | 5 | 138645 | 5 | 148639 | 5 | |
| 1/4 | 86570 | 1/4 | 97029 | 1/4 | 107487 | 1/4 | 117946 | 1/4 | 128404 | 1/4 | 138863 | 1/4 | 148764 | 1/4 | |
| 1/2 | 86788 | 1/2 | 97247 | 1/2 | 107705 | 1/2 | 118164 | 1/2 | 128622 | 1/2 | 139081 | 1/2 | 148882 | 1/2 | |
| 3/4 | 87006 | 3/4 | 97465 | 3/4 | 107923 | 3/4 | 118382 | 3/4 | 128840 | 3/4 | 139298 | 3/4 | 148991 | 3/4 | |
| 6 | 87224 | 6 | 97682 | 6 | 108141 | 6 | 118599 | 6 | 129058 | 6 | 139516 | 6 | 149091 | 6 | |
| 1/4 | 87442 | 1/4 | 97900 | 1/4 | 108359 | 1/4 | 118817 | 1/4 | 129276 | 1/4 | 139734 | 1/4 | 149183 | 1/4 | |
| 1/2 | 87659 | 1/2 | 98118 | 1/2 | 108577 | 1/2 | 119035 | 1/2 | 129494 | 1/2 | 139952 | 1/2 | 149267 | 1/2 | |
| 3/4 | 87877 | 3/4 | 98336 | 3/4 | 108795 | 3/4 | 119253 | 3/4 | 129712 | 3/4 | 140170 | 3/4 | 149343 | 3/4 | |
| 7 | 88095 | 7 | 98554 | 7 | 109012 | 7 | 119471 | 7 | 129929 | 7 | 140388 | 7 | 149410 | 7 | |
| 1/4 | 88313 | 1/4 | 98772 | 1/4 | 109230 | 1/4 | 119689 | 1/4 | 130147 | 1/4 | 140606 | 1/4 | 149468 | 1/4 | |
| 1/2 | 88531 | 1/2 | 98990 | 1/2 | 109448 | 1/2 | 119907 | 1/2 | 130365 | 1/2 | 140824 | 1/2 | 149519 | 1/2 | |
| 3/4 | 88749 | 3/4 | 99208 | 3/4 | 109666 | 3/4 | 120125 | 3/4 | 130583 | 3/4 | 141042 | 3/4 | 149560 | 3/4 | |
| 8 | 88967 | 8 | 99426 | 8 | 109884 | 8 | 120343 | 8 | 130801 | 8 | 141259 | 8 | 149594 | 8 | |
| 1/4 | 89185 | 1/4 | 99643 | 1/4 | 110102 | 1/4 | 120560 | 1/4 | 131019 | 1/4 | 141477 | 1/4 | 149619 | 1/4 | |
| 1/2 | 89403 | 1/2 | 99861 | 1/2 | 110320 | 1/2 | 120778 | 1/2 | 131237 | 1/2 | 141695 | 1/2 | 149636 | 1/2 | |
| 3/4 | 89621 | 3/4 | 100079 | 3/4 | 110538 | 3/4 | 120996 | 3/4 | 131455 | 3/4 | 141913 | 3/4 | 149644 | 3/4 | |
| 9 | 89839 | 9 | 100297 | 9 | 110756 | 9 | 121214 | 9 | 131673 | 9 | 142131 | 9 | | 9 | |
| 1/4 | 90056 | 1/4 | 100515 | 1/4 | 110973 | 1/4 | 121432 | 1/4 | 131890 | 1/4 | 142349 | 1/4 | | 1/4 | |
| 1/2 | 90274 | 1/2 | 100733 | 1/2 | 111191 | 1/2 | 121650 | 1/2 | 132108 | 1/2 | 142567 | 1/2 | | 1/2 | |
| 3/4 | 90492 | 3/4 | 100951 | 3/4 | 111409 | 3/4 | 121868 | 3/4 | 132326 | 3/4 | 142785 | 3/4 | | 3/4 | |
| 10 | 90710 | 10 | 101169 | 10 | 111627 | 10 | 122086 | 10 | 132544 | 10 | 143003 | 10 | | 10 | |
| 1/4 | 90928 | 1/4 | 101387 | 1/4 | 111845 | 1/4 | 122303 | 1/4 | 132762 | 1/4 | 143220 | 1/4 | | 1/4 | |
| 1/2 | 91146 | 1/2 | 101604 | 1/2 | 112063 | 1/2 | 122521 | 1/2 | 132980 | 1/2 | 143438 | 1/2 | | 1/2 | |
| 3/4 | 91364 | 3/4 | 101822 | 3/4 | 112281 | 3/4 | 122739 | 3/4 | 133198 | 3/4 | 143656 | 3/4 | | 3/4 | |
| 11 | 91582 | 11 | 102040 | 11 | 112499 | 11 | 122957 | 11 | 133416 | 11 | 143874 | 11 | | 11 | |
| 1/4 | 91800 | 1/4 | 102258 | 1/4 | 112717 | 1/4 | 123175 | 1/4 | 133633 | 1/4 | 144092 | 1/4 | | 1/4 | |
| 1/2 | 92017 | 1/2 | 102476 | 1/2 | 112934 | 1/2 | 123393 | 1/2 | 133851 | 1/2 | 144310 | 1/2 | | 1/2 | |
| 3/4 | 92235 | 3/4 | 102694 | 3/4 | 113152 | 3/4 | 123611 | 3/4 | 134069 | 3/4 | 144528 | 3/4 | | 3/4 | |

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2" GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE
 IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS 15' 08 1/2"
 ADJUSTMENT TO INNAE GAUGES Nil
 Calibrated: KT/AH
 Calculation: WHF
 Dated: June 21, 1999



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE

RCT 15

TANK: 3

TOTAL GAUGE HEIGHT: 15' 08 1/4"

HULL # 98-2645

CAPACITIES IN U.S. GALLONS

| IN | 8 FT | 9 FT | 10 FT | 11 FT | 12 FT | 13 FT | 14 FT | 15 FT |
|-----|-------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 82072 | 92541 | 103010 | 113478 | 123946 | 134415 | 144883 | 155352 |
| 1/4 | 82290 | 92759 | 103228 | 113696 | 124165 | 134633 | 145101 | 155570 |
| 1/2 | 82508 | 92978 | 103446 | 113914 | 124383 | 134851 | 145319 | 155788 |
| 3/4 | 82726 | 93196 | 103664 | 114132 | 124601 | 135069 | 145537 | 155999 |
| 1 | 82945 | 93414 | 103882 | 114350 | 124819 | 135287 | 145756 | 156210 |
| 1/4 | 83163 | 93632 | 104100 | 114569 | 125037 | 135505 | 145974 | 156424 |
| 1/2 | 83381 | 93850 | 104318 | 114787 | 125255 | 135723 | 146192 | 156638 |
| 3/4 | 83599 | 94068 | 104536 | 115005 | 125473 | 135941 | 146410 | 156852 |
| 2 | 83817 | 94286 | 104754 | 115223 | 125691 | 136160 | 146628 | 157066 |
| 1/4 | 84035 | 94504 | 104973 | 115441 | 125909 | 136378 | 146846 | 157280 |
| 1/2 | 84253 | 94722 | 105191 | 115659 | 126127 | 136596 | 147064 | 157494 |
| 3/4 | 84471 | 94940 | 105409 | 115877 | 126345 | 136814 | 147277 | 157708 |
| 3 | 84689 | 95158 | 105627 | 116095 | 126564 | 137032 | 147481 | 157922 |
| 1/4 | 84908 | 95377 | 105845 | 116313 | 126782 | 137250 | 147696 | 158136 |
| 1/2 | 85126 | 95595 | 106063 | 116531 | 127000 | 137468 | 147861 | 158350 |
| 3/4 | 85344 | 95813 | 106281 | 116749 | 127218 | 137686 | 148036 | 158564 |
| 4 | 85562 | 96031 | 106499 | 116968 | 127436 | 137904 | 148202 | 158778 |
| 1/4 | 85780 | 96249 | 106717 | 117186 | 127654 | 138122 | 148359 | 158992 |
| 1/2 | 85998 | 96467 | 106935 | 117404 | 127872 | 138340 | 148506 | 159206 |
| 3/4 | 86216 | 96685 | 107153 | 117622 | 128090 | 138559 | 148643 | 159420 |
| 5 | 86434 | 96903 | 107372 | 117840 | 128308 | 138777 | 148771 | 159634 |
| 1/4 | 86652 | 97121 | 107590 | 118058 | 128526 | 138995 | 148890 | 159848 |
| 1/2 | 86871 | 97339 | 107808 | 118276 | 128744 | 139213 | 148999 | 160062 |
| 3/4 | 87089 | 97557 | 108026 | 118494 | 128963 | 139431 | 149098 | 160276 |
| 6 | 87307 | 97776 | 108244 | 118712 | 129181 | 139649 | 149188 | 160490 |
| 1/4 | 87525 | 97994 | 108462 | 118930 | 129399 | 139867 | 149269 | 160704 |
| 1/2 | 87743 | 98212 | 108680 | 119148 | 129617 | 140085 | 149340 | 160918 |
| 3/4 | 87961 | 98430 | 108898 | 119367 | 129835 | 140303 | 149402 | 161132 |
| 7 | 88179 | 98648 | 109116 | 119585 | 130053 | 140521 | 149454 | 161346 |
| 1/4 | 88397 | 98866 | 109334 | 119803 | 130271 | 140739 | 149497 | 161560 |
| 1/2 | 88616 | 99084 | 109552 | 120021 | 130489 | 140958 | 149530 | 161774 |
| 3/4 | 88834 | 99302 | 109771 | 120239 | 130707 | 141176 | 149554 | 161988 |
| 8 | 89052 | 99520 | 109989 | 120457 | 130925 | 141394 | 149568 | 162202 |
| 1/4 | 89270 | 99738 | 110207 | 120675 | 131143 | 141612 | 149572 | 162416 |
| 1/2 | 89488 | 99956 | 110425 | 120893 | 131362 | 141830 | | 162630 |
| 3/4 | 89706 | 100175 | 110643 | 121111 | 131580 | 142048 | | 162844 |
| 9 | 89924 | 100393 | 110861 | 121329 | 131798 | 142266 | | 163058 |
| 1/4 | 90142 | 100611 | 111079 | 121547 | 132016 | 142484 | | 163272 |
| 1/2 | 90360 | 100829 | 111297 | 121766 | 132234 | 142702 | | 163486 |
| 3/4 | 90579 | 101047 | 111515 | 121984 | 132452 | 142920 | | 163700 |
| 10 | 90797 | 101265 | 111733 | 122202 | 132670 | 143138 | | 163914 |
| 1/4 | 91015 | 101483 | 111951 | 122420 | 132888 | 143357 | | 164128 |
| 1/2 | 91233 | 101701 | 112170 | 122638 | 133106 | 143575 | | 164342 |
| 3/4 | 91451 | 101919 | 112388 | 122856 | 133324 | 143793 | | 164556 |
| 11 | 91669 | 102137 | 112606 | 123074 | 133542 | 144011 | | 164770 |
| 1/4 | 91887 | 102355 | 112824 | 123292 | 133761 | 144229 | | 164984 |
| 1/2 | 92105 | 102574 | 113042 | 123510 | 133979 | 144447 | | 165198 |
| 3/4 | 92323 | 102792 | 113260 | 123728 | 134197 | 144665 | | 165412 |

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2" GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE

IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS: 15' 08.58"

ADJUSTMENT TO INNAGE GAUGES 1/4"

Calculated: KT/TAH

Calculation: WHF

Dated: June 21, 1999



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
RCT 15

TANK: 3

CAPACITIES IN U.S. GALLONS

HULL # 98-2645

TOTAL GAUGE HEIGHT: 15' 08 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 30 | 0 | 8817 | 0 | 19285 | 0 | 29727 | 0 | 40192 | 0 | 50663 | 0 | 61133 | 0 | 71602 |
| 1/4 | 52 | 1/4 | 9035 | 1/4 | 19503 | 1/4 | 29945 | 1/4 | 40411 | 1/4 | 50881 | 1/4 | 61351 | 1/4 | 71821 |
| 1/2 | 82 | 1/2 | 9253 | 1/2 | 19721 | 1/2 | 30162 | 1/2 | 40629 | 1/2 | 51099 | 1/2 | 61569 | 1/2 | 72039 |
| 3/4 | 131 | 3/4 | 9471 | 3/4 | 19939 | 3/4 | 30379 | 3/4 | 40847 | 3/4 | 51317 | 3/4 | 61787 | 3/4 | 72257 |
| 1 | 187 | 1 | 9689 | 1 | 20157 | 1 | 30596 | 1 | 41065 | 1 | 51535 | 1 | 62005 | 1 | 72475 |
| 1/4 | 263 | 1/4 | 9907 | 1/4 | 20375 | 1/4 | 30814 | 1/4 | 41283 | 1/4 | 51753 | 1/4 | 62223 | 1/4 | 72693 |
| 1/2 | 348 | 1/2 | 10125 | 1/2 | 20593 | 1/2 | 31031 | 1/2 | 41501 | 1/2 | 51971 | 1/2 | 62441 | 1/2 | 72911 |
| 3/4 | 453 | 3/4 | 10343 | 3/4 | 20812 | 3/4 | 31249 | 3/4 | 41719 | 3/4 | 52189 | 3/4 | 62659 | 3/4 | 73129 |
| 2 | 568 | 2 | 10561 | 2 | 21030 | 2 | 31467 | 2 | 41937 | 2 | 52408 | 2 | 62878 | 2 | 73347 |
| 1/4 | 703 | 1/4 | 10780 | 1/4 | 21248 | 1/4 | 31685 | 1/4 | 42156 | 1/4 | 52626 | 1/4 | 63096 | 1/4 | 73565 |
| 1/2 | 849 | 1/2 | 10998 | 1/2 | 21466 | 1/2 | 31904 | 1/2 | 42374 | 1/2 | 52844 | 1/2 | 63314 | 1/2 | 73784 |
| 3/4 | 1006 | 3/4 | 11216 | 3/4 | 21684 | 3/4 | 32122 | 3/4 | 42592 | 3/4 | 53062 | 3/4 | 63532 | 3/4 | 74002 |
| 3 | 1186 | 3 | 11434 | 3 | 21902 | 3 | 32340 | 3 | 42810 | 3 | 53280 | 3 | 63750 | 3 | 74220 |
| 1/4 | 1359 | 1/4 | 11652 | 1/4 | 22120 | 1/4 | 32558 | 1/4 | 43028 | 1/4 | 53498 | 1/4 | 63968 | 1/4 | 74438 |
| 1/2 | 1546 | 1/2 | 11870 | 1/2 | 22338 | 1/2 | 32776 | 1/2 | 43246 | 1/2 | 53716 | 1/2 | 64186 | 1/2 | 74656 |
| 3/4 | 1736 | 3/4 | 12088 | 3/4 | 22556 | 3/4 | 32994 | 3/4 | 43464 | 3/4 | 53934 | 3/4 | 64404 | 3/4 | 74874 |
| 4 | 1929 | 4 | 12306 | 4 | 22774 | 4 | 33212 | 4 | 43682 | 4 | 54153 | 4 | 64623 | 4 | 75092 |
| 1/4 | 2127 | 1/4 | 12524 | 1/4 | 22991 | 1/4 | 33430 | 1/4 | 43901 | 1/4 | 54371 | 1/4 | 64841 | 1/4 | 75310 |
| 1/2 | 2327 | 1/2 | 12742 | 1/2 | 23209 | 1/2 | 33649 | 1/2 | 44119 | 1/2 | 54589 | 1/2 | 65059 | 1/2 | 75529 |
| 3/4 | 2531 | 3/4 | 12961 | 3/4 | 23426 | 3/4 | 33867 | 3/4 | 44337 | 3/4 | 54807 | 3/4 | 65277 | 3/4 | 75747 |
| 5 | 2737 | 5 | 13179 | 5 | 23643 | 5 | 34085 | 5 | 44555 | 5 | 55025 | 5 | 65495 | 5 | 75965 |
| 1/4 | 2946 | 1/4 | 13397 | 1/4 | 23860 | 1/4 | 34303 | 1/4 | 44773 | 1/4 | 55243 | 1/4 | 65713 | 1/4 | 76183 |
| 1/2 | 3158 | 1/2 | 13615 | 1/2 | 24078 | 1/2 | 34521 | 1/2 | 44991 | 1/2 | 55461 | 1/2 | 65931 | 1/2 | 76401 |
| 3/4 | 3371 | 3/4 | 13833 | 3/4 | 24295 | 3/4 | 34739 | 3/4 | 45209 | 3/4 | 55679 | 3/4 | 66149 | 3/4 | 76619 |
| 6 | 3586 | 6 | 14051 | 6 | 24512 | 6 | 34957 | 6 | 45428 | 6 | 55898 | 6 | 66368 | 6 | 76837 |
| 1/4 | 3802 | 1/4 | 14269 | 1/4 | 24730 | 1/4 | 35176 | 1/4 | 45646 | 1/4 | 56116 | 1/4 | 66586 | 1/4 | 77055 |
| 1/2 | 4019 | 1/2 | 14487 | 1/2 | 24947 | 1/2 | 35394 | 1/2 | 45864 | 1/2 | 56334 | 1/2 | 66804 | 1/2 | 77273 |
| 3/4 | 4237 | 3/4 | 14705 | 3/4 | 25164 | 3/4 | 35612 | 3/4 | 46082 | 3/4 | 56552 | 3/4 | 67022 | 3/4 | 77492 |
| 7 | 4455 | 7 | 14923 | 7 | 25382 | 7 | 35830 | 7 | 46300 | 7 | 56770 | 7 | 67240 | 7 | 77710 |
| 1/4 | 4673 | 1/4 | 15141 | 1/4 | 25599 | 1/4 | 36048 | 1/4 | 46518 | 1/4 | 56988 | 1/4 | 67458 | 1/4 | 77928 |
| 1/2 | 4891 | 1/2 | 15360 | 1/2 | 25816 | 1/2 | 36266 | 1/2 | 46736 | 1/2 | 57206 | 1/2 | 67676 | 1/2 | 78146 |
| 3/4 | 5109 | 3/4 | 15578 | 3/4 | 26033 | 3/4 | 36484 | 3/4 | 46954 | 3/4 | 57424 | 3/4 | 67894 | 3/4 | 78364 |
| 8 | 5327 | 8 | 15796 | 8 | 26251 | 8 | 36702 | 8 | 47173 | 8 | 57643 | 8 | 68113 | 8 | 78582 |
| 1/4 | 5545 | 1/4 | 16014 | 1/4 | 26468 | 1/4 | 36921 | 1/4 | 47391 | 1/4 | 57861 | 1/4 | 68331 | 1/4 | 78800 |
| 1/2 | 5763 | 1/2 | 16232 | 1/2 | 26685 | 1/2 | 37139 | 1/2 | 47609 | 1/2 | 58079 | 1/2 | 68549 | 1/2 | 79018 |
| 3/4 | 5981 | 3/4 | 16450 | 3/4 | 26903 | 3/4 | 37357 | 3/4 | 47827 | 3/4 | 58297 | 3/4 | 68767 | 3/4 | 79237 |
| 9 | 6200 | 9 | 16668 | 9 | 27120 | 9 | 37575 | 9 | 48045 | 9 | 58515 | 9 | 68985 | 9 | 79455 |
| 1/4 | 6418 | 1/4 | 16886 | 1/4 | 27337 | 1/4 | 37793 | 1/4 | 48263 | 1/4 | 58733 | 1/4 | 69203 | 1/4 | 79673 |
| 1/2 | 6636 | 1/2 | 17104 | 1/2 | 27554 | 1/2 | 38011 | 1/2 | 48481 | 1/2 | 58951 | 1/2 | 69421 | 1/2 | 79891 |
| 3/4 | 6854 | 3/4 | 17322 | 3/4 | 27772 | 3/4 | 38229 | 3/4 | 48699 | 3/4 | 59169 | 3/4 | 69639 | 3/4 | 80109 |
| 10 | 7072 | 10 | 17541 | 10 | 27989 | 10 | 38447 | 10 | 48918 | 10 | 59388 | 10 | 69857 | 10 | 80327 |
| 1/4 | 7290 | 1/4 | 17759 | 1/4 | 28206 | 1/4 | 38666 | 1/4 | 49136 | 1/4 | 59606 | 1/4 | 70076 | 1/4 | 80545 |
| 1/2 | 7508 | 1/2 | 17977 | 1/2 | 28424 | 1/2 | 38884 | 1/2 | 49354 | 1/2 | 59824 | 1/2 | 70294 | 1/2 | 80763 |
| 3/4 | 7726 | 3/4 | 18195 | 3/4 | 28641 | 3/4 | 39102 | 3/4 | 49572 | 3/4 | 60042 | 3/4 | 70512 | 3/4 | 80981 |
| 11 | 7944 | 11 | 18413 | 11 | 28858 | 11 | 39320 | 11 | 49790 | 11 | 60260 | 11 | 70730 | 11 | 81200 |
| 1/4 | 8162 | 1/4 | 18631 | 1/4 | 29075 | 1/4 | 39538 | 1/4 | 50008 | 1/4 | 60478 | 1/4 | 70948 | 1/4 | 81418 |
| 1/2 | 8381 | 1/2 | 18849 | 1/2 | 29293 | 1/2 | 39756 | 1/2 | 50226 | 1/2 | 60696 | 1/2 | 71166 | 1/2 | 81636 |
| 3/4 | 8599 | 3/4 | 19067 | 3/4 | 29510 | 3/4 | 39974 | 3/4 | 50444 | 3/4 | 60914 | 3/4 | 71384 | 3/4 | 81854 |

** VOLUME OF SUMP

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calibrated: K1/AH

Calculation: WHF

Dated: June 21, 1999

