



BARGE "CBC 380"

INNAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 |
| 1 STBD | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 |
| 2 PORT | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 |
| 2 STBD | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 |
| 3 PORT | - 00-5/8 | 00-5/8 | - 01-1/8 | 01-1/8 | - 01-3/4 | 01-3/4 | - 02-1/4 | 02-1/4 | - 02-7/8 | 02-7/8 | - 03-3/8 | 03-3/8 |
| 3 STBD | - 00-5/8 | 00-5/8 | - 01-1/8 | 01-1/8 | - 01-3/4 | 01-3/4 | - 02-1/4 | 02-1/4 | - 02-7/8 | 02-7/8 | - 03-3/8 | 03-3/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

February 26, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 380"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 965 | 0 | 15,235 | 0 | 30,467 | 0 | 45,688 | 0 | 60,909 | 0 | 76,141 | 0 | 91,373 | 0 | 106,605 | 0 | 121,833 | 0 | 137,059 |
| 1/4 | 1,150 | 1/4 | 15,553 | 1/4 | 30,784 | 1/4 | 46,005 | 1/4 | 61,227 | 1/4 | 76,459 | 1/4 | 91,691 | 1/4 | 106,922 | 1/4 | 122,150 | 1/4 | 137,376 |
| 1/2 | 1,335 | 1/2 | 15,870 | 1/2 | 31,101 | 1/2 | 46,321 | 1/2 | 61,544 | 1/2 | 76,776 | 1/2 | 92,008 | 1/2 | 107,240 | 1/2 | 122,467 | 1/2 | 137,694 |
| 3/4 | 1,520 | 3/4 | 16,187 | 3/4 | 31,419 | 3/4 | 46,638 | 3/4 | 61,861 | 3/4 | 77,093 | 3/4 | 92,325 | 3/4 | 107,557 | 3/4 | 122,785 | 3/4 | 138,011 |
| 1 | 1,705 | 1 | 16,505 | 1 | 31,736 | 1 | 46,955 | 1 | 62,179 | 1 | 77,411 | 1 | 92,643 | 1 | 107,874 | 1 | 123,102 | 1 | 138,328 |
| 1/4 | 1,943 | 1/4 | 16,822 | 1/4 | 32,053 | 1/4 | 47,272 | 1/4 | 62,496 | 1/4 | 77,728 | 1/4 | 92,960 | 1/4 | 108,192 | 1/4 | 123,419 | 1/4 | 138,645 |
| 1/2 | 2,181 | 1/2 | 17,139 | 1/2 | 32,370 | 1/2 | 47,589 | 1/2 | 62,813 | 1/2 | 78,045 | 1/2 | 93,277 | 1/2 | 108,509 | 1/2 | 123,736 | 1/2 | 138,962 |
| 3/4 | 2,419 | 3/4 | 17,456 | 3/4 | 32,688 | 3/4 | 47,906 | 3/4 | 63,131 | 3/4 | 78,363 | 3/4 | 93,595 | 3/4 | 108,826 | 3/4 | 124,053 | 3/4 | 139,280 |
| 2 | 2,657 | 2 | 17,774 | 2 | 33,005 | 2 | 48,222 | 2 | 63,448 | 2 | 78,680 | 2 | 93,912 | 2 | 109,144 | 2 | 124,371 | 2 | 139,597 |
| 1/4 | 2,947 | 1/4 | 18,091 | 1/4 | 33,322 | 1/4 | 48,539 | 1/4 | 63,765 | 1/4 | 78,997 | 1/4 | 94,229 | 1/4 | 109,461 | 1/4 | 124,688 | 1/4 | 139,914 |
| 1/2 | 3,238 | 1/2 | 18,408 | 1/2 | 33,640 | 1/2 | 48,856 | 1/2 | 64,083 | 1/2 | 79,315 | 1/2 | 94,547 | 1/2 | 109,778 | 1/2 | 125,005 | 1/2 | 140,231 |
| 3/4 | 3,529 | 3/4 | 18,726 | 3/4 | 33,957 | 3/4 | 49,173 | 3/4 | 64,400 | 3/4 | 79,632 | 3/4 | 94,864 | 3/4 | 110,096 | 3/4 | 125,322 | 3/4 | 140,549 |
| 3 | 3,820 | 3 | 19,043 | 3 | 34,274 | 3 | 49,490 | 3 | 64,717 | 3 | 79,949 | 3 | 95,181 | 3 | 110,413 | 3 | 125,639 | 3 | 140,866 |
| 1/4 | 4,136 | 1/4 | 19,360 | 1/4 | 34,592 | 1/4 | 49,806 | 1/4 | 65,035 | 1/4 | 80,267 | 1/4 | 95,499 | 1/4 | 110,730 | 1/4 | 125,957 | 1/4 | 141,183 |
| 1/2 | 4,451 | 1/2 | 19,678 | 1/2 | 34,909 | 1/2 | 50,123 | 1/2 | 65,352 | 1/2 | 80,584 | 1/2 | 95,816 | 1/2 | 111,048 | 1/2 | 126,274 | 1/2 | 141,500 |
| 3/4 | 4,767 | 3/4 | 19,995 | 3/4 | 35,226 | 3/4 | 50,440 | 3/4 | 65,669 | 3/4 | 80,901 | 3/4 | 96,133 | 3/4 | 111,365 | 3/4 | 126,591 | 3/4 | 141,817 |
| 4 | 5,083 | 4 | 20,312 | 4 | 35,544 | 4 | 50,757 | 4 | 65,987 | 4 | 81,219 | 4 | 96,451 | 4 | 111,682 | 4 | 126,908 | 4 | 142,135 |
| 1/4 | 5,400 | 1/4 | 20,630 | 1/4 | 35,861 | 1/4 | 51,074 | 1/4 | 66,304 | 1/4 | 81,536 | 1/4 | 96,768 | 1/4 | 111,999 | 1/4 | 127,226 | 1/4 | 142,452 |
| 1/2 | 5,717 | 1/2 | 20,947 | 1/2 | 36,178 | 1/2 | 51,390 | 1/2 | 66,621 | 1/2 | 81,853 | 1/2 | 97,085 | 1/2 | 112,316 | 1/2 | 127,543 | 1/2 | 142,769 |
| 3/4 | 6,034 | 3/4 | 21,264 | 3/4 | 36,496 | 3/4 | 51,707 | 3/4 | 66,939 | 3/4 | 82,171 | 3/4 | 97,403 | 3/4 | 112,634 | 3/4 | 127,860 | 3/4 | 143,086 |
| 5 | 6,351 | 5 | 21,582 | 5 | 36,813 | 5 | 52,024 | 5 | 67,256 | 5 | 82,488 | 5 | 97,720 | 5 | 112,951 | 5 | 128,177 | 5 | 143,403 |
| 1/4 | 6,668 | 1/4 | 21,899 | 1/4 | 37,130 | 1/4 | 52,341 | 1/4 | 67,573 | 1/4 | 82,805 | 1/4 | 98,037 | 1/4 | 113,268 | 1/4 | 128,494 | 1/4 | 143,721 |
| 1/2 | 6,985 | 1/2 | 22,216 | 1/2 | 37,448 | 1/2 | 52,659 | 1/2 | 67,891 | 1/2 | 83,123 | 1/2 | 98,355 | 1/2 | 113,585 | 1/2 | 128,812 | 1/2 | 144,038 |
| 3/4 | 7,302 | 3/4 | 22,534 | 3/4 | 37,765 | 3/4 | 52,976 | 3/4 | 68,208 | 3/4 | 83,440 | 3/4 | 98,672 | 3/4 | 113,902 | 3/4 | 129,129 | 3/4 | 144,355 |
| 6 | 7,620 | 6 | 22,851 | 6 | 38,082 | 6 | 53,293 | 6 | 68,525 | 6 | 83,757 | 6 | 98,989 | 6 | 114,220 | 6 | 129,446 | 6 | 144,672 |
| 1/4 | 7,937 | 1/4 | 23,168 | 1/4 | 38,400 | 1/4 | 53,611 | 1/4 | 68,843 | 1/4 | 84,075 | 1/4 | 99,307 | 1/4 | 114,537 | 1/4 | 129,763 | 1/4 | 144,990 |
| 1/2 | 8,254 | 1/2 | 23,486 | 1/2 | 38,717 | 1/2 | 53,928 | 1/2 | 69,160 | 1/2 | 84,392 | 1/2 | 99,624 | 1/2 | 114,854 | 1/2 | 130,080 | 1/2 | 145,307 |
| 3/4 | 8,572 | 3/4 | 23,803 | 3/4 | 39,034 | 3/4 | 54,245 | 3/4 | 69,477 | 3/4 | 84,709 | 3/4 | 99,941 | 3/4 | 115,171 | 3/4 | 130,398 | 3/4 | 145,624 |
| 7 | 8,889 | 7 | 24,120 | 7 | 39,352 | 7 | 54,563 | 7 | 69,795 | 7 | 85,027 | 7 | 100,259 | 7 | 115,489 | 7 | 130,715 | 7 | 145,941 |
| 1/4 | 9,206 | 1/4 | 24,438 | 1/4 | 39,668 | 1/4 | 54,880 | 1/4 | 70,112 | 1/4 | 85,344 | 1/4 | 100,576 | 1/4 | 115,806 | 1/4 | 131,032 | 1/4 | 146,258 |
| 1/2 | 9,524 | 1/2 | 24,755 | 1/2 | 39,985 | 1/2 | 55,197 | 1/2 | 70,429 | 1/2 | 85,661 | 1/2 | 100,893 | 1/2 | 116,123 | 1/2 | 131,349 | 1/2 | 146,576 |
| 3/4 | 9,841 | 3/4 | 25,072 | 3/4 | 40,302 | 3/4 | 55,515 | 3/4 | 70,747 | 3/4 | 85,979 | 3/4 | 101,211 | 3/4 | 116,440 | 3/4 | 131,667 | 3/4 | 146,893 |
| 8 | 10,158 | 8 | 25,389 | 8 | 40,619 | 8 | 55,832 | 8 | 71,064 | 8 | 86,296 | 8 | 101,528 | 8 | 116,757 | 8 | 131,984 | 8 | 147,210 |
| 1/4 | 10,475 | 1/4 | 25,707 | 1/4 | 40,936 | 1/4 | 56,149 | 1/4 | 71,381 | 1/4 | 86,613 | 1/4 | 101,845 | 1/4 | 117,075 | 1/4 | 132,301 | 1/4 | 147,527 |
| 1/2 | 10,793 | 1/2 | 26,024 | 1/2 | 41,252 | 1/2 | 56,467 | 1/2 | 71,699 | 1/2 | 86,931 | 1/2 | 102,163 | 1/2 | 117,392 | 1/2 | 132,618 | 1/2 | 147,844 |
| 3/4 | 11,110 | 3/4 | 26,341 | 3/4 | 41,569 | 3/4 | 56,784 | 3/4 | 72,016 | 3/4 | 87,248 | 3/4 | 102,480 | 3/4 | 117,709 | 3/4 | 132,935 | 3/4 | 148,162 |
| 9 | 11,427 | 9 | 26,659 | 9 | 41,886 | 9 | 57,101 | 9 | 72,333 | 9 | 87,565 | 9 | 102,797 | 9 | 118,026 | 9 | 133,253 | 9 | 148,479 |
| 1/4 | 11,745 | 1/4 | 26,976 | 1/4 | 42,203 | 1/4 | 57,419 | 1/4 | 72,651 | 1/4 | 87,883 | 1/4 | 103,115 | 1/4 | 118,344 | 1/4 | 133,570 | 1/4 | 148,796 |
| 1/2 | 12,062 | 1/2 | 27,293 | 1/2 | 42,520 | 1/2 | 57,736 | 1/2 | 72,968 | 1/2 | 88,200 | 1/2 | 103,432 | 1/2 | 118,661 | 1/2 | 133,887 | 1/2 | 149,113 |
| 3/4 | 12,379 | 3/4 | 27,611 | 3/4 | 42,836 | 3/4 | 58,053 | 3/4 | 73,285 | 3/4 | 88,517 | 3/4 | 103,749 | 3/4 | 118,978 | 3/4 | 134,204 | 3/4 | 149,431 |
| 10 | 12,697 | 10 | 27,928 | 10 | 43,153 | 10 | 58,371 | 10 | 73,603 | 10 | 88,835 | 10 | 104,067 | 10 | 119,295 | 10 | 134,521 | 10 | 149,748 |
| 1/4 | 13,014 | 1/4 | 28,245 | 1/4 | 43,470 | 1/4 | 58,688 | 1/4 | 73,920 | 1/4 | 89,152 | 1/4 | 104,384 | 1/4 | 119,612 | 1/4 | 134,839 | 1/4 | 150,065 |
| 1/2 | 13,331 | 1/2 | 28,563 | 1/2 | 43,787 | 1/2 | 59,005 | 1/2 | 74,237 | 1/2 | 89,469 | 1/2 | 104,701 | 1/2 | 119,930 | 1/2 | 135,156 | 1/2 | 150,382 |
| 3/4 | 13,649 | 3/4 | 28,880 | 3/4 | 44,104 | 3/4 | 59,323 | 3/4 | 74,555 | 3/4 | 89,787 | 3/4 | 105,018 | 3/4 | 120,247 | 3/4 | 135,473 | 3/4 | 150,699 |
| 11 | 13,966 | 11 | 29,197 | 11 | 44,421 | 11 | 59,640 | 11 | 74,872 | 11 | 90,104 | 11 | 105,336 | 11 | 120,564 | 11 | 135,790 | 11 | 151,017 |
| 1/4 | 14,283 | 1/4 | 29,515 | 1/4 | 44,737 | 1/4 | 59,957 | 1/4 | 75,189 | 1/4 | 90,421 | 1/4 | 105,653 | 1/4 | 120,881 | 1/4 | 136,108 | 1/4 | 151,334 |
| 1/2 | 14,601 | 1/2 | 29,832 | 1/2 | 45,054 | 1/2 | 60,275 | 1/2 | 75,507 | 1/2 | 90,739 | 1/2 | 105,970 | 1/2 | 121,198 | 1/2 | 136,425 | 1/2 | 151,651 |
| 3/4 | 14,918 | 3/4 | 30,149 | 3/4 | 45,371 | 3/4 | 60,592 | 3/4 | 75,824 | 3/4 | 91,056 | 3/4 | 106,288 | 3/4 | 121,516 | 3/4 | 136,742 | 3/4 | 151,968 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 380"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 152,286 | 0 | 167,512 | 0 | 182,738 | 0 | 197,964 | 0 | 213,126 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 152,603 | 1/4 | 167,829 | 1/4 | 183,055 | 1/4 | 198,282 | 1/4 | 213,439 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,920 | 1/2 | 168,146 | 1/2 | 183,373 | 1/2 | 198,599 | 1/2 | 213,752 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,237 | 3/4 | 168,463 | 3/4 | 183,690 | 3/4 | 198,916 | 3/4 | 214,065 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 153,554 | 1 | 168,781 | 1 | 184,007 | 1 | 199,233 | 1 | 214,378 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 153,872 | 1/4 | 169,098 | 1/4 | 184,324 | 1/4 | 199,549 | 1/4 | 214,692 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,189 | 1/2 | 169,415 | 1/2 | 184,641 | 1/2 | 199,865 | 1/2 | 215,005 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,506 | 3/4 | 169,732 | 3/4 | 184,959 | 3/4 | 200,181 | 3/4 | 215,318 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 154,823 | 2 | 170,050 | 2 | 185,276 | 2 | 200,497 | 2 | 215,631 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 155,140 | 1/4 | 170,367 | 1/4 | 185,593 | 1/4 | 200,813 | 1/4 | 215,944 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,458 | 1/2 | 170,684 | 1/2 | 185,910 | 1/2 | 201,129 | 1/2 | 216,257 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,775 | 3/4 | 171,001 | 3/4 | 186,227 | 3/4 | 201,445 | 3/4 | 216,570 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 156,092 | 3 | 171,318 | 3 | 186,545 | 3 | 201,761 | 3 | 216,883 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 156,409 | 1/4 | 171,636 | 1/4 | 186,862 | 1/4 | 202,077 | 1/4 | 217,196 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 156,727 | 1/2 | 171,953 | 1/2 | 187,179 | 1/2 | 202,393 | 1/2 | 217,508 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 157,044 | 3/4 | 172,270 | 3/4 | 187,496 | 3/4 | 202,709 | 3/4 | 217,821 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 157,361 | 4 | 172,587 | 4 | 187,814 | 4 | 203,025 | 4 | 218,134 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 157,678 | 1/4 | 172,904 | 1/4 | 188,131 | 1/4 | 203,341 | 1/4 | 218,445 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 157,995 | 1/2 | 173,222 | 1/2 | 188,448 | 1/2 | 203,657 | 1/2 | 218,757 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 158,313 | 3/4 | 173,539 | 3/4 | 188,765 | 3/4 | 203,973 | 3/4 | 219,068 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 158,630 | 5 | 173,856 | 5 | 189,082 | 5 | 204,289 | 5 | 219,380 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 158,947 | 1/4 | 174,173 | 1/4 | 189,400 | 1/4 | 204,605 | 1/4 | 219,666 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 159,264 | 1/2 | 174,491 | 1/2 | 189,717 | 1/2 | 204,921 | 1/2 | 219,953 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 159,581 | 3/4 | 174,808 | 3/4 | 190,034 | 3/4 | 205,237 | 3/4 | 220,239 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 159,899 | 6 | 175,125 | 6 | 190,351 | 6 | 205,553 | 6 | 220,526 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 160,216 | 1/4 | 175,442 | 1/4 | 190,669 | 1/4 | 205,869 | 1/4 | 220,760 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 160,533 | 1/2 | 175,759 | 1/2 | 190,986 | 1/2 | 206,185 | 1/2 | 220,993 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 160,850 | 3/4 | 176,077 | 3/4 | 191,303 | 3/4 | 206,501 | 3/4 | 221,227 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 161,168 | 7 | 176,394 | 7 | 191,620 | 7 | 206,817 | 7 | 221,461 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 161,485 | 1/4 | 176,711 | 1/4 | 191,937 | 1/4 | 207,133 | 1/4 | 221,643 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 161,802 | 1/2 | 177,028 | 1/2 | 192,255 | 1/2 | 207,449 | 1/2 | 221,825 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 162,119 | 3/4 | 177,345 | 3/4 | 192,572 | 3/4 | 207,765 | 3/4 | 222,007 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 162,436 | 8 | 177,663 | 8 | 192,889 | 8 | 208,081 | 8 | 222,189 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 162,754 | 1/4 | 177,980 | 1/4 | 193,206 | 1/4 | 208,397 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 163,071 | 1/2 | 178,297 | 1/2 | 193,523 | 1/2 | 208,713 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 163,388 | 3/4 | 178,614 | 3/4 | 193,841 | 3/4 | 209,029 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 163,705 | 9 | 178,932 | 9 | 194,158 | 9 | 209,345 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 164,022 | 1/4 | 179,249 | 1/4 | 194,475 | 1/4 | 209,661 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 164,340 | 1/2 | 179,566 | 1/2 | 194,792 | 1/2 | 209,977 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 164,657 | 3/4 | 179,883 | 3/4 | 195,110 | 3/4 | 210,293 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 164,974 | 10 | 180,200 | 10 | 195,427 | 10 | 210,609 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 165,291 | 1/4 | 180,518 | 1/4 | 195,744 | 1/4 | 210,926 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 165,609 | 1/2 | 180,835 | 1/2 | 196,061 | 1/2 | 211,242 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 165,926 | 3/4 | 181,152 | 3/4 | 196,378 | 3/4 | 211,558 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 166,243 | 11 | 181,469 | 11 | 196,696 | 11 | 211,874 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 166,560 | 1/4 | 181,786 | 1/4 | 197,013 | 1/4 | 212,187 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 166,877 | 1/2 | 182,104 | 1/2 | 197,330 | 1/2 | 212,500 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 167,195 | 3/4 | 182,421 | 3/4 | 197,647 | 3/4 | 212,813 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 965 | 0 | 15,235 | 0 | 30,467 | 0 | 45,648 | 0 | 60,830 | 0 | 76,062 | 0 | 91,294 | 0 | 106,525 | 0 | 121,753 | 0 | 136,979 |
| 1/4 | 1,150 | 1/4 | 15,553 | 1/4 | 30,784 | 1/4 | 45,963 | 1/4 | 61,147 | 1/4 | 76,379 | 1/4 | 91,611 | 1/4 | 106,843 | 1/4 | 122,070 | 1/4 | 137,297 |
| 1/2 | 1,335 | 1/2 | 15,870 | 1/2 | 31,101 | 1/2 | 46,278 | 1/2 | 61,464 | 1/2 | 76,696 | 1/2 | 91,928 | 1/2 | 107,160 | 1/2 | 122,388 | 1/2 | 137,614 |
| 3/4 | 1,520 | 3/4 | 16,187 | 3/4 | 31,419 | 3/4 | 46,593 | 3/4 | 61,782 | 3/4 | 77,014 | 3/4 | 92,246 | 3/4 | 107,477 | 3/4 | 122,705 | 3/4 | 137,931 |
| 1 | 1,705 | 1 | 16,505 | 1 | 31,736 | 1 | 46,909 | 1 | 62,099 | 1 | 77,331 | 1 | 92,563 | 1 | 107,795 | 1 | 123,022 | 1 | 138,248 |
| 1/4 | 1,943 | 1/4 | 16,822 | 1/4 | 32,053 | 1/4 | 47,224 | 1/4 | 62,416 | 1/4 | 77,648 | 1/4 | 92,880 | 1/4 | 108,112 | 1/4 | 123,339 | 1/4 | 138,566 |
| 1/2 | 2,181 | 1/2 | 17,139 | 1/2 | 32,370 | 1/2 | 47,539 | 1/2 | 62,734 | 1/2 | 77,966 | 1/2 | 93,198 | 1/2 | 108,429 | 1/2 | 123,656 | 1/2 | 138,883 |
| 3/4 | 2,419 | 3/4 | 17,456 | 3/4 | 32,688 | 3/4 | 47,854 | 3/4 | 63,051 | 3/4 | 78,283 | 3/4 | 93,515 | 3/4 | 108,747 | 3/4 | 123,974 | 3/4 | 139,200 |
| 2 | 2,657 | 2 | 17,774 | 2 | 33,005 | 2 | 48,169 | 2 | 63,368 | 2 | 78,600 | 2 | 93,832 | 2 | 109,064 | 2 | 124,291 | 2 | 139,517 |
| 1/4 | 2,947 | 1/4 | 18,091 | 1/4 | 33,322 | 1/4 | 48,484 | 1/4 | 63,686 | 1/4 | 78,918 | 1/4 | 94,149 | 1/4 | 109,381 | 1/4 | 124,608 | 1/4 | 139,834 |
| 1/2 | 3,238 | 1/2 | 18,408 | 1/2 | 33,640 | 1/2 | 48,799 | 1/2 | 64,003 | 1/2 | 79,235 | 1/2 | 94,467 | 1/2 | 109,699 | 1/2 | 124,925 | 1/2 | 140,152 |
| 3/4 | 3,529 | 3/4 | 18,726 | 3/4 | 33,957 | 3/4 | 49,115 | 3/4 | 64,320 | 3/4 | 79,552 | 3/4 | 94,784 | 3/4 | 110,016 | 3/4 | 125,243 | 3/4 | 140,469 |
| 3 | 3,820 | 3 | 19,043 | 3 | 34,274 | 3 | 49,430 | 3 | 64,638 | 3 | 79,870 | 3 | 95,101 | 3 | 110,333 | 3 | 125,560 | 3 | 140,786 |
| 1/4 | 4,136 | 1/4 | 19,360 | 1/4 | 34,592 | 1/4 | 49,745 | 1/4 | 64,955 | 1/4 | 80,187 | 1/4 | 95,419 | 1/4 | 110,651 | 1/4 | 125,877 | 1/4 | 141,103 |
| 1/2 | 4,451 | 1/2 | 19,678 | 1/2 | 34,909 | 1/2 | 50,060 | 1/2 | 65,272 | 1/2 | 80,504 | 1/2 | 95,736 | 1/2 | 110,968 | 1/2 | 126,194 | 1/2 | 141,420 |
| 3/4 | 4,767 | 3/4 | 19,995 | 3/4 | 35,226 | 3/4 | 50,375 | 3/4 | 65,590 | 3/4 | 80,822 | 3/4 | 96,053 | 3/4 | 111,285 | 3/4 | 126,511 | 3/4 | 141,738 |
| 4 | 5,083 | 4 | 20,312 | 4 | 35,544 | 4 | 50,690 | 4 | 65,907 | 4 | 81,139 | 4 | 96,371 | 4 | 111,602 | 4 | 126,829 | 4 | 142,055 |
| 1/4 | 5,400 | 1/4 | 20,630 | 1/4 | 35,861 | 1/4 | 51,006 | 1/4 | 66,224 | 1/4 | 81,456 | 1/4 | 96,688 | 1/4 | 111,919 | 1/4 | 127,146 | 1/4 | 142,372 |
| 1/2 | 5,717 | 1/2 | 20,947 | 1/2 | 36,178 | 1/2 | 51,321 | 1/2 | 66,542 | 1/2 | 81,774 | 1/2 | 97,005 | 1/2 | 112,237 | 1/2 | 127,463 | 1/2 | 142,689 |
| 3/4 | 6,034 | 3/4 | 21,264 | 3/4 | 36,496 | 3/4 | 51,636 | 3/4 | 66,859 | 3/4 | 82,091 | 3/4 | 97,323 | 3/4 | 112,554 | 3/4 | 127,780 | 3/4 | 143,007 |
| 5 | 6,351 | 5 | 21,582 | 5 | 36,813 | 5 | 51,951 | 5 | 67,176 | 5 | 82,408 | 5 | 97,640 | 5 | 112,871 | 5 | 128,097 | 5 | 143,324 |
| 1/4 | 6,668 | 1/4 | 21,899 | 1/4 | 37,130 | 1/4 | 52,267 | 1/4 | 67,494 | 1/4 | 82,726 | 1/4 | 97,957 | 1/4 | 113,188 | 1/4 | 128,415 | 1/4 | 143,641 |
| 1/2 | 6,985 | 1/2 | 22,216 | 1/2 | 37,448 | 1/2 | 52,582 | 1/2 | 67,811 | 1/2 | 83,043 | 1/2 | 98,275 | 1/2 | 113,506 | 1/2 | 128,732 | 1/2 | 143,958 |
| 3/4 | 7,302 | 3/4 | 22,534 | 3/4 | 37,765 | 3/4 | 52,898 | 3/4 | 68,128 | 3/4 | 83,360 | 3/4 | 98,592 | 3/4 | 113,823 | 3/4 | 129,049 | 3/4 | 144,275 |
| 6 | 7,620 | 6 | 22,851 | 6 | 38,082 | 6 | 53,214 | 6 | 68,446 | 6 | 83,678 | 6 | 98,909 | 6 | 114,140 | 6 | 129,366 | 6 | 144,593 |
| 1/4 | 7,937 | 1/4 | 23,168 | 1/4 | 38,398 | 1/4 | 53,531 | 1/4 | 68,763 | 1/4 | 83,995 | 1/4 | 99,227 | 1/4 | 114,457 | 1/4 | 129,684 | 1/4 | 144,910 |
| 1/2 | 8,254 | 1/2 | 23,486 | 1/2 | 38,714 | 1/2 | 53,848 | 1/2 | 69,080 | 1/2 | 84,312 | 1/2 | 99,544 | 1/2 | 114,774 | 1/2 | 130,001 | 1/2 | 145,227 |
| 3/4 | 8,572 | 3/4 | 23,803 | 3/4 | 39,029 | 3/4 | 54,166 | 3/4 | 69,398 | 3/4 | 84,630 | 3/4 | 99,861 | 3/4 | 115,092 | 3/4 | 130,318 | 3/4 | 145,544 |
| 7 | 8,889 | 7 | 24,120 | 7 | 39,345 | 7 | 54,483 | 7 | 69,715 | 7 | 84,947 | 7 | 100,179 | 7 | 115,409 | 7 | 130,635 | 7 | 145,861 |
| 1/4 | 9,206 | 1/4 | 24,438 | 1/4 | 39,660 | 1/4 | 54,800 | 1/4 | 70,032 | 1/4 | 85,264 | 1/4 | 100,496 | 1/4 | 115,726 | 1/4 | 130,952 | 1/4 | 146,179 |
| 1/2 | 9,524 | 1/2 | 24,755 | 1/2 | 39,975 | 1/2 | 55,118 | 1/2 | 70,350 | 1/2 | 85,582 | 1/2 | 100,813 | 1/2 | 116,043 | 1/2 | 131,270 | 1/2 | 146,496 |
| 3/4 | 9,841 | 3/4 | 25,072 | 3/4 | 40,290 | 3/4 | 55,435 | 3/4 | 70,667 | 3/4 | 85,899 | 3/4 | 101,131 | 3/4 | 116,360 | 3/4 | 131,587 | 3/4 | 146,813 |
| 8 | 10,158 | 8 | 25,389 | 8 | 40,605 | 8 | 55,752 | 8 | 70,984 | 8 | 86,216 | 8 | 101,448 | 8 | 116,678 | 8 | 131,904 | 8 | 147,130 |
| 1/4 | 10,475 | 1/4 | 25,707 | 1/4 | 40,921 | 1/4 | 56,070 | 1/4 | 71,302 | 1/4 | 86,534 | 1/4 | 101,765 | 1/4 | 116,995 | 1/4 | 132,221 | 1/4 | 147,448 |
| 1/2 | 10,793 | 1/2 | 26,024 | 1/2 | 41,236 | 1/2 | 56,387 | 1/2 | 71,619 | 1/2 | 86,851 | 1/2 | 102,083 | 1/2 | 117,312 | 1/2 | 132,538 | 1/2 | 147,765 |
| 3/4 | 11,110 | 3/4 | 26,341 | 3/4 | 41,551 | 3/4 | 56,704 | 3/4 | 71,936 | 3/4 | 87,168 | 3/4 | 102,400 | 3/4 | 117,629 | 3/4 | 132,856 | 3/4 | 148,082 |
| 9 | 11,427 | 9 | 26,659 | 9 | 41,866 | 9 | 57,022 | 9 | 72,254 | 9 | 87,486 | 9 | 102,717 | 9 | 117,947 | 9 | 133,173 | 9 | 148,399 |
| 1/4 | 11,745 | 1/4 | 26,976 | 1/4 | 42,181 | 1/4 | 57,339 | 1/4 | 72,571 | 1/4 | 87,803 | 1/4 | 103,035 | 1/4 | 118,264 | 1/4 | 133,490 | 1/4 | 148,716 |
| 1/2 | 12,062 | 1/2 | 27,293 | 1/2 | 42,496 | 1/2 | 57,656 | 1/2 | 72,888 | 1/2 | 88,120 | 1/2 | 103,352 | 1/2 | 118,581 | 1/2 | 133,807 | 1/2 | 149,034 |
| 3/4 | 12,379 | 3/4 | 27,611 | 3/4 | 42,812 | 3/4 | 57,974 | 3/4 | 73,206 | 3/4 | 88,438 | 3/4 | 103,669 | 3/4 | 118,898 | 3/4 | 134,125 | 3/4 | 149,351 |
| 10 | 12,697 | 10 | 27,928 | 10 | 43,127 | 10 | 58,291 | 10 | 73,523 | 10 | 88,755 | 10 | 103,987 | 10 | 119,215 | 10 | 134,442 | 10 | 149,668 |
| 1/4 | 13,014 | 1/4 | 28,245 | 1/4 | 43,442 | 1/4 | 58,608 | 1/4 | 73,840 | 1/4 | 89,072 | 1/4 | 104,304 | 1/4 | 119,533 | 1/4 | 134,759 | 1/4 | 149,985 |
| 1/2 | 13,331 | 1/2 | 28,563 | 1/2 | 43,757 | 1/2 | 58,926 | 1/2 | 74,158 | 1/2 | 89,390 | 1/2 | 104,621 | 1/2 | 119,850 | 1/2 | 135,076 | 1/2 | 150,302 |
| 3/4 | 13,649 | 3/4 | 28,880 | 3/4 | 44,072 | 3/4 | 59,243 | 3/4 | 74,475 | 3/4 | 89,707 | 3/4 | 104,939 | 3/4 | 120,167 | 3/4 | 135,393 | 3/4 | 150,620 |
| 11 | 13,966 | 11 | 29,197 | 11 | 44,387 | 11 | 59,560 | 11 | 74,792 | 11 | 90,024 | 11 | 105,256 | 11 | 120,484 | 11 | 135,711 | 11 | 150,937 |
| 1/4 | 14,283 | 1/4 | 29,515 | 1/4 | 44,702 | 1/4 | 59,878 | 1/4 | 75,110 | 1/4 | 90,342 | 1/4 | 105,573 | 1/4 | 120,801 | 1/4 | 136,028 | 1/4 | 151,254 |
| 1/2 | 14,601 | 1/2 | 29,832 | 1/2 | 45,018 | 1/2 | 60,195 | 1/2 | 75,427 | 1/2 | 90,659 | 1/2 | 105,891 | 1/2 | 121,119 | 1/2 | 136,345 | 1/2 | 151,571 |
| 3/4 | 14,918 | 3/4 | 30,149 | 3/4 | 45,333 | 3/4 | 60,512 | 3/4 | 75,744 | 3/4 | 90,976 | 3/4 | 106,208 | 3/4 | 121,436 | 3/4 | 136,662 | 3/4 | 151,889 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 152,206 | 0 | 167,432 | 0 | 182,658 | 0 | 197,885 | 0 | 213,046 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 152,523 | 1/4 | 167,749 | 1/4 | 182,976 | 1/4 | 198,202 | 1/4 | 213,359 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,840 | 1/2 | 168,067 | 1/2 | 183,293 | 1/2 | 198,519 | 1/2 | 213,672 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,157 | 3/4 | 168,384 | 3/4 | 183,610 | 3/4 | 198,836 | 3/4 | 213,986 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 153,475 | 1 | 168,701 | 1 | 183,927 | 1 | 199,154 | 1 | 214,299 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 153,792 | 1/4 | 169,018 | 1/4 | 184,244 | 1/4 | 199,470 | 1/4 | 214,612 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,109 | 1/2 | 169,335 | 1/2 | 184,562 | 1/2 | 199,786 | 1/2 | 214,925 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,426 | 3/4 | 169,653 | 3/4 | 184,879 | 3/4 | 200,102 | 3/4 | 215,238 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 154,743 | 2 | 169,970 | 2 | 185,196 | 2 | 200,418 | 2 | 215,551 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 155,061 | 1/4 | 170,287 | 1/4 | 185,513 | 1/4 | 200,734 | 1/4 | 215,864 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,378 | 1/2 | 170,604 | 1/2 | 185,831 | 1/2 | 201,049 | 1/2 | 216,177 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,695 | 3/4 | 170,921 | 3/4 | 186,148 | 3/4 | 201,365 | 3/4 | 216,490 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 156,012 | 3 | 171,239 | 3 | 186,465 | 3 | 201,681 | 3 | 216,803 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 156,330 | 1/4 | 171,556 | 1/4 | 186,782 | 1/4 | 201,997 | 1/4 | 217,116 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 156,647 | 1/2 | 171,873 | 1/2 | 187,099 | 1/2 | 202,313 | 1/2 | 217,428 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 156,964 | 3/4 | 172,190 | 3/4 | 187,417 | 3/4 | 202,629 | 3/4 | 217,741 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 157,281 | 4 | 172,508 | 4 | 187,734 | 4 | 202,945 | 4 | 218,054 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 157,598 | 1/4 | 172,825 | 1/4 | 188,051 | 1/4 | 203,261 | 1/4 | 218,365 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 157,916 | 1/2 | 173,142 | 1/2 | 188,368 | 1/2 | 203,577 | 1/2 | 218,677 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 158,233 | 3/4 | 173,459 | 3/4 | 188,685 | 3/4 | 203,893 | 3/4 | 218,988 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 158,550 | 5 | 173,776 | 5 | 189,003 | 5 | 204,209 | 5 | 219,300 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 158,867 | 1/4 | 174,094 | 1/4 | 189,320 | 1/4 | 204,525 | 1/4 | 219,586 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 159,184 | 1/2 | 174,411 | 1/2 | 189,637 | 1/2 | 204,841 | 1/2 | 219,873 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 159,502 | 3/4 | 174,728 | 3/4 | 189,954 | 3/4 | 205,157 | 3/4 | 220,160 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 159,819 | 6 | 175,045 | 6 | 190,272 | 6 | 205,473 | 6 | 220,446 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 160,136 | 1/4 | 175,362 | 1/4 | 190,589 | 1/4 | 205,789 | 1/4 | 220,680 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 160,453 | 1/2 | 175,680 | 1/2 | 190,906 | 1/2 | 206,105 | 1/2 | 220,914 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 160,771 | 3/4 | 175,997 | 3/4 | 191,223 | 3/4 | 206,421 | 3/4 | 221,147 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 161,088 | 7 | 176,314 | 7 | 191,540 | 7 | 206,737 | 7 | 221,381 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 161,405 | 1/4 | 176,631 | 1/4 | 191,858 | 1/4 | 207,053 | 1/4 | 221,563 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 161,722 | 1/2 | 176,949 | 1/2 | 192,175 | 1/2 | 207,369 | 1/2 | 221,745 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 162,039 | 3/4 | 177,266 | 3/4 | 192,492 | 3/4 | 207,685 | 3/4 | 221,927 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 162,357 | 8 | 177,583 | 8 | 192,809 | 8 | 208,001 | 8 | 222,109 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 162,674 | 1/4 | 177,900 | 1/4 | 193,126 | 1/4 | 208,317 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 162,991 | 1/2 | 178,217 | 1/2 | 193,444 | 1/2 | 208,633 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 163,308 | 3/4 | 178,535 | 3/4 | 193,761 | 3/4 | 208,949 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 163,625 | 9 | 178,852 | 9 | 194,078 | 9 | 209,265 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 163,943 | 1/4 | 179,169 | 1/4 | 194,395 | 1/4 | 209,581 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 164,260 | 1/2 | 179,486 | 1/2 | 194,713 | 1/2 | 209,897 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 164,577 | 3/4 | 179,803 | 3/4 | 195,030 | 3/4 | 210,214 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 164,894 | 10 | 180,121 | 10 | 195,347 | 10 | 210,530 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 165,212 | 1/4 | 180,438 | 1/4 | 195,664 | 1/4 | 210,846 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 165,529 | 1/2 | 180,755 | 1/2 | 195,981 | 1/2 | 211,162 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 165,846 | 3/4 | 181,072 | 3/4 | 196,299 | 3/4 | 211,478 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 166,163 | 11 | 181,390 | 11 | 196,616 | 11 | 211,794 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 166,480 | 1/4 | 181,707 | 1/4 | 196,933 | 1/4 | 212,107 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 166,798 | 1/2 | 182,024 | 1/2 | 197,250 | 1/2 | 212,420 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 167,115 | 3/4 | 182,341 | 3/4 | 197,567 | 3/4 | 212,733 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 961 | 0 | 15,179 | 0 | 30,353 | 0 | 45,518 | 0 | 60,683 | 0 | 75,858 | 0 | 91,034 | 0 | 106,209 | 0 | 121,380 | 0 | 136,550 |
| 1/4 | 1,145 | 1/4 | 15,495 | 1/4 | 30,669 | 1/4 | 45,834 | 1/4 | 60,999 | 1/4 | 76,174 | 1/4 | 91,350 | 1/4 | 106,525 | 1/4 | 121,696 | 1/4 | 136,866 |
| 1/2 | 1,330 | 1/2 | 15,811 | 1/2 | 30,986 | 1/2 | 46,149 | 1/2 | 61,315 | 1/2 | 76,491 | 1/2 | 91,666 | 1/2 | 106,841 | 1/2 | 122,012 | 1/2 | 137,182 |
| 3/4 | 1,514 | 3/4 | 16,127 | 3/4 | 31,302 | 3/4 | 46,465 | 3/4 | 61,631 | 3/4 | 76,807 | 3/4 | 91,982 | 3/4 | 107,157 | 3/4 | 122,328 | 3/4 | 137,498 |
| 1 | 1,698 | 1 | 16,443 | 1 | 31,618 | 1 | 46,781 | 1 | 61,948 | 1 | 77,123 | 1 | 92,298 | 1 | 107,474 | 1 | 122,644 | 1 | 137,814 |
| 1/4 | 1,936 | 1/4 | 16,759 | 1/4 | 31,934 | 1/4 | 47,096 | 1/4 | 62,264 | 1/4 | 77,439 | 1/4 | 92,614 | 1/4 | 107,790 | 1/4 | 122,960 | 1/4 | 138,130 |
| 1/2 | 2,173 | 1/2 | 17,075 | 1/2 | 32,250 | 1/2 | 47,412 | 1/2 | 62,580 | 1/2 | 77,755 | 1/2 | 92,931 | 1/2 | 108,106 | 1/2 | 123,276 | 1/2 | 138,446 |
| 3/4 | 2,410 | 3/4 | 17,392 | 3/4 | 32,566 | 3/4 | 47,727 | 3/4 | 62,896 | 3/4 | 78,071 | 3/4 | 93,247 | 3/4 | 108,422 | 3/4 | 123,592 | 3/4 | 138,762 |
| 2 | 2,647 | 2 | 17,708 | 2 | 32,882 | 2 | 48,043 | 2 | 63,212 | 2 | 78,388 | 2 | 93,563 | 2 | 108,738 | 2 | 123,908 | 2 | 139,078 |
| 1/4 | 2,936 | 1/4 | 18,024 | 1/4 | 33,199 | 1/4 | 48,359 | 1/4 | 63,528 | 1/4 | 78,704 | 1/4 | 93,879 | 1/4 | 109,054 | 1/4 | 124,224 | 1/4 | 139,394 |
| 1/2 | 3,226 | 1/2 | 18,340 | 1/2 | 33,515 | 1/2 | 48,674 | 1/2 | 63,845 | 1/2 | 79,020 | 1/2 | 94,195 | 1/2 | 109,370 | 1/2 | 124,540 | 1/2 | 139,710 |
| 3/4 | 3,516 | 3/4 | 18,656 | 3/4 | 33,831 | 3/4 | 48,990 | 3/4 | 64,161 | 3/4 | 79,336 | 3/4 | 94,511 | 3/4 | 109,687 | 3/4 | 124,856 | 3/4 | 140,026 |
| 3 | 3,806 | 3 | 18,972 | 3 | 34,147 | 3 | 49,306 | 3 | 64,477 | 3 | 79,652 | 3 | 94,827 | 3 | 110,003 | 3 | 125,172 | 3 | 140,342 |
| 1/4 | 4,120 | 1/4 | 19,288 | 1/4 | 34,463 | 1/4 | 49,621 | 1/4 | 64,793 | 1/4 | 79,968 | 1/4 | 95,144 | 1/4 | 110,319 | 1/4 | 125,488 | 1/4 | 140,658 |
| 1/2 | 4,435 | 1/2 | 19,605 | 1/2 | 34,779 | 1/2 | 49,937 | 1/2 | 65,109 | 1/2 | 80,284 | 1/2 | 95,460 | 1/2 | 110,635 | 1/2 | 125,805 | 1/2 | 140,974 |
| 3/4 | 4,749 | 3/4 | 19,921 | 3/4 | 35,095 | 3/4 | 50,253 | 3/4 | 65,425 | 3/4 | 80,601 | 3/4 | 95,776 | 3/4 | 110,951 | 3/4 | 126,121 | 3/4 | 141,290 |
| 4 | 5,064 | 4 | 20,237 | 4 | 35,412 | 4 | 50,568 | 4 | 65,741 | 4 | 80,917 | 4 | 96,092 | 4 | 111,267 | 4 | 126,437 | 4 | 141,606 |
| 1/4 | 5,380 | 1/4 | 20,553 | 1/4 | 35,728 | 1/4 | 50,884 | 1/4 | 66,058 | 1/4 | 81,233 | 1/4 | 96,408 | 1/4 | 111,583 | 1/4 | 126,753 | 1/4 | 141,922 |
| 1/2 | 5,696 | 1/2 | 20,869 | 1/2 | 36,044 | 1/2 | 51,199 | 1/2 | 66,374 | 1/2 | 81,549 | 1/2 | 96,724 | 1/2 | 111,899 | 1/2 | 127,069 | 1/2 | 142,238 |
| 3/4 | 6,011 | 3/4 | 21,185 | 3/4 | 36,360 | 3/4 | 51,515 | 3/4 | 66,690 | 3/4 | 81,865 | 3/4 | 97,041 | 3/4 | 112,215 | 3/4 | 127,385 | 3/4 | 142,554 |
| 5 | 6,327 | 5 | 21,501 | 5 | 36,676 | 5 | 51,831 | 5 | 67,006 | 5 | 82,181 | 5 | 97,357 | 5 | 112,531 | 5 | 127,701 | 5 | 142,870 |
| 1/4 | 6,643 | 1/4 | 21,818 | 1/4 | 36,992 | 1/4 | 52,147 | 1/4 | 67,322 | 1/4 | 82,498 | 1/4 | 97,673 | 1/4 | 112,847 | 1/4 | 128,017 | 1/4 | 143,187 |
| 1/2 | 6,959 | 1/2 | 22,134 | 1/2 | 37,308 | 1/2 | 52,463 | 1/2 | 67,638 | 1/2 | 82,814 | 1/2 | 97,989 | 1/2 | 113,163 | 1/2 | 128,333 | 1/2 | 143,503 |
| 3/4 | 7,275 | 3/4 | 22,450 | 3/4 | 37,625 | 3/4 | 52,779 | 3/4 | 67,955 | 3/4 | 83,130 | 3/4 | 98,305 | 3/4 | 113,479 | 3/4 | 128,649 | 3/4 | 143,819 |
| 6 | 7,591 | 6 | 22,766 | 6 | 37,941 | 6 | 53,095 | 6 | 68,271 | 6 | 83,446 | 6 | 98,621 | 6 | 113,795 | 6 | 128,965 | 6 | 144,135 |
| 1/4 | 7,907 | 1/4 | 23,082 | 1/4 | 38,257 | 1/4 | 53,411 | 1/4 | 68,587 | 1/4 | 83,762 | 1/4 | 98,937 | 1/4 | 114,111 | 1/4 | 129,281 | 1/4 | 144,451 |
| 1/2 | 8,224 | 1/2 | 23,398 | 1/2 | 38,573 | 1/2 | 53,728 | 1/2 | 68,903 | 1/2 | 84,078 | 1/2 | 99,254 | 1/2 | 114,427 | 1/2 | 129,597 | 1/2 | 144,767 |
| 3/4 | 8,540 | 3/4 | 23,714 | 3/4 | 38,889 | 3/4 | 54,044 | 3/4 | 69,219 | 3/4 | 84,394 | 3/4 | 99,570 | 3/4 | 114,743 | 3/4 | 129,913 | 3/4 | 145,083 |
| 7 | 8,856 | 7 | 24,031 | 7 | 39,205 | 7 | 54,360 | 7 | 69,535 | 7 | 84,711 | 7 | 99,886 | 7 | 115,059 | 7 | 130,229 | 7 | 145,399 |
| 1/4 | 9,172 | 1/4 | 24,347 | 1/4 | 39,521 | 1/4 | 54,676 | 1/4 | 69,851 | 1/4 | 85,027 | 1/4 | 100,202 | 1/4 | 115,375 | 1/4 | 130,545 | 1/4 | 145,715 |
| 1/2 | 9,488 | 1/2 | 24,663 | 1/2 | 39,837 | 1/2 | 54,992 | 1/2 | 70,168 | 1/2 | 85,343 | 1/2 | 100,518 | 1/2 | 115,691 | 1/2 | 130,861 | 1/2 | 146,031 |
| 3/4 | 9,804 | 3/4 | 24,979 | 3/4 | 40,152 | 3/4 | 55,308 | 3/4 | 70,484 | 3/4 | 85,659 | 3/4 | 100,834 | 3/4 | 116,007 | 3/4 | 131,177 | 3/4 | 146,347 |
| 8 | 10,120 | 8 | 25,295 | 8 | 40,468 | 8 | 55,625 | 8 | 70,800 | 8 | 85,975 | 8 | 101,150 | 8 | 116,323 | 8 | 131,493 | 8 | 146,663 |
| 1/4 | 10,437 | 1/4 | 25,611 | 1/4 | 40,783 | 1/4 | 55,941 | 1/4 | 71,116 | 1/4 | 86,291 | 1/4 | 101,467 | 1/4 | 116,639 | 1/4 | 131,809 | 1/4 | 146,979 |
| 1/2 | 10,753 | 1/2 | 25,927 | 1/2 | 41,099 | 1/2 | 56,257 | 1/2 | 71,432 | 1/2 | 86,607 | 1/2 | 101,783 | 1/2 | 116,956 | 1/2 | 132,125 | 1/2 | 147,295 |
| 3/4 | 11,069 | 3/4 | 26,244 | 3/4 | 41,415 | 3/4 | 56,573 | 3/4 | 71,748 | 3/4 | 86,924 | 3/4 | 102,099 | 3/4 | 117,272 | 3/4 | 132,441 | 3/4 | 147,611 |
| 9 | 11,385 | 9 | 26,560 | 9 | 41,730 | 9 | 56,889 | 9 | 72,064 | 9 | 87,240 | 9 | 102,415 | 9 | 117,588 | 9 | 132,757 | 9 | 147,927 |
| 1/4 | 11,701 | 1/4 | 26,876 | 1/4 | 42,046 | 1/4 | 57,205 | 1/4 | 72,381 | 1/4 | 87,556 | 1/4 | 102,731 | 1/4 | 117,904 | 1/4 | 133,073 | 1/4 | 148,243 |
| 1/2 | 12,017 | 1/2 | 27,192 | 1/2 | 42,362 | 1/2 | 57,521 | 1/2 | 72,697 | 1/2 | 87,872 | 1/2 | 103,047 | 1/2 | 118,220 | 1/2 | 133,389 | 1/2 | 148,559 |
| 3/4 | 12,333 | 3/4 | 27,508 | 3/4 | 42,677 | 3/4 | 57,838 | 3/4 | 73,013 | 3/4 | 88,188 | 3/4 | 103,364 | 3/4 | 118,536 | 3/4 | 133,705 | 3/4 | 148,875 |
| 10 | 12,650 | 10 | 27,824 | 10 | 42,993 | 10 | 58,154 | 10 | 73,329 | 10 | 88,504 | 10 | 103,680 | 10 | 118,852 | 10 | 134,021 | 10 | 149,191 |
| 1/4 | 12,966 | 1/4 | 28,140 | 1/4 | 43,309 | 1/4 | 58,470 | 1/4 | 73,645 | 1/4 | 88,821 | 1/4 | 103,996 | 1/4 | 119,168 | 1/4 | 134,337 | 1/4 | 149,507 |
| 1/2 | 13,282 | 1/2 | 28,457 | 1/2 | 43,624 | 1/2 | 58,786 | 1/2 | 73,961 | 1/2 | 89,137 | 1/2 | 104,312 | 1/2 | 119,484 | 1/2 | 134,654 | 1/2 | 149,823 |
| 3/4 | 13,598 | 3/4 | 28,773 | 3/4 | 43,940 | 3/4 | 59,102 | 3/4 | 74,278 | 3/4 | 89,453 | 3/4 | 104,628 | 3/4 | 119,800 | 3/4 | 134,970 | 3/4 | 150,139 |
| 11 | 13,914 | 11 | 29,089 | 11 | 44,255 | 11 | 59,418 | 11 | 74,594 | 11 | 89,769 | 11 | 104,944 | 11 | 120,116 | 11 | 135,286 | 11 | 150,455 |
| 1/4 | 14,230 | 1/4 | 29,405 | 1/4 | 44,571 | 1/4 | 59,735 | 1/4 | 74,910 | 1/4 | 90,085 | 1/4 | 105,260 | 1/4 | 120,432 | 1/4 | 135,602 | 1/4 | 150,771 |
| 1/2 | 14,546 | 1/2 | 29,721 | 1/2 | 44,887 | 1/2 | 60,051 | 1/2 | 75,226 | 1/2 | 90,401 | 1/2 | 105,577 | 1/2 | 120,748 | 1/2 | 135,918 | 1/2 | 151,087 |
| 3/4 | 14,863 | 3/4 | 30,037 | 3/4 | 45,202 | 3/4 | 60,367 | 3/4 | 75,542 | 3/4 | 90,717 | 3/4 | 105,893 | 3/4 | 121,064 | 3/4 | 136,234 | 3/4 | 151,403 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 151,719 | 0 | 166,889 | 0 | 182,059 | 0 | 197,229 | 0 | 212,334 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 152,036 | 1/4 | 167,205 | 1/4 | 182,375 | 1/4 | 197,545 | 1/4 | 212,646 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,352 | 1/2 | 167,521 | 1/2 | 182,691 | 1/2 | 197,861 | 1/2 | 212,958 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 152,668 | 3/4 | 167,837 | 3/4 | 183,007 | 3/4 | 198,177 | 3/4 | 213,269 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 152,984 | 1 | 168,153 | 1 | 183,323 | 1 | 198,493 | 1 | 213,581 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 153,300 | 1/4 | 168,469 | 1/4 | 183,639 | 1/4 | 198,808 | 1/4 | 213,893 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 153,616 | 1/2 | 168,785 | 1/2 | 183,955 | 1/2 | 199,122 | 1/2 | 214,205 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,932 | 3/4 | 169,101 | 3/4 | 184,271 | 3/4 | 199,437 | 3/4 | 214,517 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 154,248 | 2 | 169,417 | 2 | 184,587 | 2 | 199,752 | 2 | 214,829 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 154,564 | 1/4 | 169,734 | 1/4 | 184,903 | 1/4 | 200,067 | 1/4 | 215,141 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,880 | 1/2 | 170,050 | 1/2 | 185,219 | 1/2 | 200,382 | 1/2 | 215,453 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,196 | 3/4 | 170,366 | 3/4 | 185,535 | 3/4 | 200,696 | 3/4 | 215,765 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 155,512 | 3 | 170,682 | 3 | 185,851 | 3 | 201,011 | 3 | 216,076 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 155,828 | 1/4 | 170,998 | 1/4 | 186,167 | 1/4 | 201,326 | 1/4 | 216,388 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 156,144 | 1/2 | 171,314 | 1/2 | 186,483 | 1/2 | 201,641 | 1/2 | 216,699 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 156,460 | 3/4 | 171,630 | 3/4 | 186,799 | 3/4 | 201,956 | 3/4 | 217,011 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 156,776 | 4 | 171,946 | 4 | 187,115 | 4 | 202,271 | 4 | 217,322 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 157,092 | 1/4 | 172,262 | 1/4 | 187,432 | 1/4 | 202,585 | 1/4 | 217,633 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 157,408 | 1/2 | 172,578 | 1/2 | 187,748 | 1/2 | 202,900 | 1/2 | 217,943 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 157,724 | 3/4 | 172,894 | 3/4 | 188,064 | 3/4 | 203,215 | 3/4 | 218,254 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 158,040 | 5 | 173,210 | 5 | 188,380 | 5 | 203,530 | 5 | 218,564 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 158,356 | 1/4 | 173,526 | 1/4 | 188,696 | 1/4 | 203,845 | 1/4 | 218,849 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 158,672 | 1/2 | 173,842 | 1/2 | 189,012 | 1/2 | 204,159 | 1/2 | 219,135 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 158,988 | 3/4 | 174,158 | 3/4 | 189,328 | 3/4 | 204,474 | 3/4 | 219,420 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 159,304 | 6 | 174,474 | 6 | 189,644 | 6 | 204,789 | 6 | 219,706 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 159,620 | 1/4 | 174,790 | 1/4 | 189,960 | 1/4 | 205,104 | 1/4 | 219,939 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 159,936 | 1/2 | 175,106 | 1/2 | 190,276 | 1/2 | 205,419 | 1/2 | 220,172 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 160,252 | 3/4 | 175,422 | 3/4 | 190,592 | 3/4 | 205,733 | 3/4 | 220,404 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 160,568 | 7 | 175,738 | 7 | 190,908 | 7 | 206,048 | 7 | 220,637 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 160,885 | 1/4 | 176,054 | 1/4 | 191,224 | 1/4 | 206,363 | 1/4 | 220,819 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 161,201 | 1/2 | 176,370 | 1/2 | 191,540 | 1/2 | 206,678 | 1/2 | 221,000 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 161,517 | 3/4 | 176,686 | 3/4 | 191,856 | 3/4 | 206,993 | 3/4 | 221,181 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 161,833 | 8 | 177,002 | 8 | 192,172 | 8 | 207,308 | 8 | 221,363 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 162,149 | 1/4 | 177,318 | 1/4 | 192,488 | 1/4 | 207,622 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 162,465 | 1/2 | 177,634 | 1/2 | 192,804 | 1/2 | 207,937 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 162,781 | 3/4 | 177,950 | 3/4 | 193,120 | 3/4 | 208,252 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 163,097 | 9 | 178,266 | 9 | 193,436 | 9 | 208,567 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 163,413 | 1/4 | 178,583 | 1/4 | 193,752 | 1/4 | 208,882 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 163,729 | 1/2 | 178,899 | 1/2 | 194,068 | 1/2 | 209,197 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 164,045 | 3/4 | 179,215 | 3/4 | 194,384 | 3/4 | 209,512 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 164,361 | 10 | 179,531 | 10 | 194,700 | 10 | 209,826 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 164,677 | 1/4 | 179,847 | 1/4 | 195,016 | 1/4 | 210,141 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 164,993 | 1/2 | 180,163 | 1/2 | 195,332 | 1/2 | 210,456 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 165,309 | 3/4 | 180,479 | 3/4 | 195,648 | 3/4 | 210,771 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 165,625 | 11 | 180,795 | 11 | 195,964 | 11 | 211,086 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 165,941 | 1/4 | 181,111 | 1/4 | 196,281 | 1/4 | 211,398 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 166,257 | 1/2 | 181,427 | 1/2 | 196,597 | 1/2 | 211,710 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 166,573 | 3/4 | 181,743 | 3/4 | 196,913 | 3/4 | 212,022 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 961 | 0 | 15,179 | 0 | 30,353 | 0 | 45,184 | 0 | 60,016 | 0 | 75,191 | 0 | 90,367 | 0 | 105,542 | 0 | 120,713 | 0 | 135,883 |
| 1/4 | 1,145 | 1/4 | 15,495 | 1/4 | 30,669 | 1/4 | 45,486 | 1/4 | 60,332 | 1/4 | 75,507 | 1/4 | 90,683 | 1/4 | 105,858 | 1/4 | 121,029 | 1/4 | 136,199 |
| 1/2 | 1,330 | 1/2 | 15,811 | 1/2 | 30,986 | 1/2 | 45,788 | 1/2 | 60,648 | 1/2 | 75,824 | 1/2 | 90,999 | 1/2 | 106,174 | 1/2 | 121,345 | 1/2 | 136,515 |
| 3/4 | 1,514 | 3/4 | 16,127 | 3/4 | 31,302 | 3/4 | 46,090 | 3/4 | 60,964 | 3/4 | 76,140 | 3/4 | 91,315 | 3/4 | 106,490 | 3/4 | 121,661 | 3/4 | 136,831 |
| 1 | 1,698 | 1 | 16,443 | 1 | 31,618 | 1 | 46,391 | 1 | 61,281 | 1 | 76,456 | 1 | 91,631 | 1 | 106,807 | 1 | 121,977 | 1 | 137,147 |
| 1/4 | 1,936 | 1/4 | 16,759 | 1/4 | 31,934 | 1/4 | 46,693 | 1/4 | 61,597 | 1/4 | 76,772 | 1/4 | 91,947 | 1/4 | 107,123 | 1/4 | 122,293 | 1/4 | 137,463 |
| 1/2 | 2,173 | 1/2 | 17,075 | 1/2 | 32,250 | 1/2 | 46,995 | 1/2 | 61,913 | 1/2 | 77,088 | 1/2 | 92,264 | 1/2 | 107,439 | 1/2 | 122,609 | 1/2 | 137,779 |
| 3/4 | 2,410 | 3/4 | 17,392 | 3/4 | 32,566 | 3/4 | 47,297 | 3/4 | 62,229 | 3/4 | 77,404 | 3/4 | 92,580 | 3/4 | 107,755 | 3/4 | 122,925 | 3/4 | 138,095 |
| 2 | 2,647 | 2 | 17,708 | 2 | 32,882 | 2 | 47,598 | 2 | 62,545 | 2 | 77,720 | 2 | 92,896 | 2 | 108,071 | 2 | 123,241 | 2 | 138,411 |
| 1/4 | 2,936 | 1/4 | 18,024 | 1/4 | 33,199 | 1/4 | 47,900 | 1/4 | 62,861 | 1/4 | 78,037 | 1/4 | 93,212 | 1/4 | 108,387 | 1/4 | 123,557 | 1/4 | 138,727 |
| 1/2 | 3,226 | 1/2 | 18,340 | 1/2 | 33,515 | 1/2 | 48,202 | 1/2 | 63,177 | 1/2 | 78,353 | 1/2 | 93,528 | 1/2 | 108,703 | 1/2 | 123,873 | 1/2 | 139,043 |
| 3/4 | 3,516 | 3/4 | 18,656 | 3/4 | 33,831 | 3/4 | 48,504 | 3/4 | 63,494 | 3/4 | 78,669 | 3/4 | 93,844 | 3/4 | 109,020 | 3/4 | 124,189 | 3/4 | 139,359 |
| 3 | 3,806 | 3 | 18,972 | 3 | 34,147 | 3 | 48,805 | 3 | 63,810 | 3 | 78,985 | 3 | 94,160 | 3 | 109,336 | 3 | 124,505 | 3 | 139,675 |
| 1/4 | 4,120 | 1/4 | 19,288 | 1/4 | 34,463 | 1/4 | 49,107 | 1/4 | 64,126 | 1/4 | 79,301 | 1/4 | 94,477 | 1/4 | 109,652 | 1/4 | 124,821 | 1/4 | 139,991 |
| 1/2 | 4,435 | 1/2 | 19,605 | 1/2 | 34,779 | 1/2 | 49,409 | 1/2 | 64,442 | 1/2 | 79,617 | 1/2 | 94,793 | 1/2 | 109,968 | 1/2 | 125,138 | 1/2 | 140,307 |
| 3/4 | 4,749 | 3/4 | 19,921 | 3/4 | 35,095 | 3/4 | 49,711 | 3/4 | 64,758 | 3/4 | 79,934 | 3/4 | 95,109 | 3/4 | 110,284 | 3/4 | 125,454 | 3/4 | 140,623 |
| 4 | 5,064 | 4 | 20,237 | 4 | 35,412 | 4 | 50,012 | 4 | 65,074 | 4 | 80,250 | 4 | 95,425 | 4 | 110,600 | 4 | 125,770 | 4 | 140,939 |
| 1/4 | 5,380 | 1/4 | 20,553 | 1/4 | 35,728 | 1/4 | 50,314 | 1/4 | 65,391 | 1/4 | 80,566 | 1/4 | 95,741 | 1/4 | 110,916 | 1/4 | 126,086 | 1/4 | 141,255 |
| 1/2 | 5,696 | 1/2 | 20,869 | 1/2 | 36,044 | 1/2 | 50,616 | 1/2 | 65,707 | 1/2 | 80,882 | 1/2 | 96,057 | 1/2 | 111,232 | 1/2 | 126,402 | 1/2 | 141,571 |
| 3/4 | 6,011 | 3/4 | 21,185 | 3/4 | 36,360 | 3/4 | 50,918 | 3/4 | 66,023 | 3/4 | 81,198 | 3/4 | 96,373 | 3/4 | 111,548 | 3/4 | 126,718 | 3/4 | 141,887 |
| 5 | 6,327 | 5 | 21,501 | 5 | 36,676 | 5 | 51,219 | 5 | 66,339 | 5 | 81,514 | 5 | 96,690 | 5 | 111,864 | 5 | 127,034 | 5 | 142,203 |
| 1/4 | 6,643 | 1/4 | 21,818 | 1/4 | 36,992 | 1/4 | 51,522 | 1/4 | 66,655 | 1/4 | 81,830 | 1/4 | 97,006 | 1/4 | 112,180 | 1/4 | 127,350 | 1/4 | 142,519 |
| 1/2 | 6,959 | 1/2 | 22,134 | 1/2 | 37,308 | 1/2 | 51,824 | 1/2 | 66,971 | 1/2 | 82,147 | 1/2 | 97,322 | 1/2 | 112,496 | 1/2 | 127,666 | 1/2 | 142,836 |
| 3/4 | 7,275 | 3/4 | 22,450 | 3/4 | 37,625 | 3/4 | 52,126 | 3/4 | 67,287 | 3/4 | 82,463 | 3/4 | 97,638 | 3/4 | 112,812 | 3/4 | 127,982 | 3/4 | 143,152 |
| 6 | 7,591 | 6 | 22,766 | 6 | 37,941 | 6 | 52,428 | 6 | 67,604 | 6 | 82,779 | 6 | 97,954 | 6 | 113,128 | 6 | 128,298 | 6 | 143,468 |
| 1/4 | 7,907 | 1/4 | 23,082 | 1/4 | 38,243 | 1/4 | 52,744 | 1/4 | 67,920 | 1/4 | 83,095 | 1/4 | 98,270 | 1/4 | 113,444 | 1/4 | 128,614 | 1/4 | 143,784 |
| 1/2 | 8,224 | 1/2 | 23,398 | 1/2 | 38,545 | 1/2 | 53,061 | 1/2 | 68,236 | 1/2 | 83,411 | 1/2 | 98,587 | 1/2 | 113,760 | 1/2 | 128,930 | 1/2 | 144,100 |
| 3/4 | 8,540 | 3/4 | 23,714 | 3/4 | 38,847 | 3/4 | 53,377 | 3/4 | 68,552 | 3/4 | 83,727 | 3/4 | 98,903 | 3/4 | 114,076 | 3/4 | 129,246 | 3/4 | 144,416 |
| 7 | 8,856 | 7 | 24,031 | 7 | 39,150 | 7 | 53,693 | 7 | 68,868 | 7 | 84,044 | 7 | 99,219 | 7 | 114,392 | 7 | 129,562 | 7 | 144,732 |
| 1/4 | 9,172 | 1/4 | 24,347 | 1/4 | 39,451 | 1/4 | 54,009 | 1/4 | 69,184 | 1/4 | 84,360 | 1/4 | 99,535 | 1/4 | 114,708 | 1/4 | 129,878 | 1/4 | 145,048 |
| 1/2 | 9,488 | 1/2 | 24,663 | 1/2 | 39,753 | 1/2 | 54,325 | 1/2 | 69,501 | 1/2 | 84,676 | 1/2 | 99,851 | 1/2 | 115,024 | 1/2 | 130,194 | 1/2 | 145,364 |
| 3/4 | 9,804 | 3/4 | 24,979 | 3/4 | 40,055 | 3/4 | 54,641 | 3/4 | 69,817 | 3/4 | 84,992 | 3/4 | 100,167 | 3/4 | 115,340 | 3/4 | 130,510 | 3/4 | 145,680 |
| 8 | 10,120 | 8 | 25,295 | 8 | 40,357 | 8 | 54,958 | 8 | 70,133 | 8 | 85,308 | 8 | 100,483 | 8 | 115,656 | 8 | 130,826 | 8 | 145,996 |
| 1/4 | 10,437 | 1/4 | 25,611 | 1/4 | 40,658 | 1/4 | 55,274 | 1/4 | 70,449 | 1/4 | 85,624 | 1/4 | 100,800 | 1/4 | 115,972 | 1/4 | 131,142 | 1/4 | 146,312 |
| 1/2 | 10,753 | 1/2 | 25,927 | 1/2 | 40,960 | 1/2 | 55,590 | 1/2 | 70,765 | 1/2 | 85,940 | 1/2 | 101,116 | 1/2 | 116,289 | 1/2 | 131,458 | 1/2 | 146,628 |
| 3/4 | 11,069 | 3/4 | 26,244 | 3/4 | 41,262 | 3/4 | 55,906 | 3/4 | 71,081 | 3/4 | 86,257 | 3/4 | 101,432 | 3/4 | 116,605 | 3/4 | 131,774 | 3/4 | 146,944 |
| 9 | 11,385 | 9 | 26,560 | 9 | 41,564 | 9 | 56,222 | 9 | 71,397 | 9 | 86,573 | 9 | 101,748 | 9 | 116,921 | 9 | 132,090 | 9 | 147,260 |
| 1/4 | 11,701 | 1/4 | 26,876 | 1/4 | 41,865 | 1/4 | 56,538 | 1/4 | 71,714 | 1/4 | 86,889 | 1/4 | 102,064 | 1/4 | 117,237 | 1/4 | 132,406 | 1/4 | 147,576 |
| 1/2 | 12,017 | 1/2 | 27,192 | 1/2 | 42,167 | 1/2 | 56,854 | 1/2 | 72,030 | 1/2 | 87,205 | 1/2 | 102,380 | 1/2 | 117,553 | 1/2 | 132,722 | 1/2 | 147,892 |
| 3/4 | 12,333 | 3/4 | 27,508 | 3/4 | 42,469 | 3/4 | 57,171 | 3/4 | 72,346 | 3/4 | 87,521 | 3/4 | 102,697 | 3/4 | 117,869 | 3/4 | 133,038 | 3/4 | 148,208 |
| 10 | 12,650 | 10 | 27,824 | 10 | 42,771 | 10 | 57,487 | 10 | 72,662 | 10 | 87,837 | 10 | 103,013 | 10 | 118,185 | 10 | 133,354 | 10 | 148,524 |
| 1/4 | 12,966 | 1/4 | 28,140 | 1/4 | 43,072 | 1/4 | 57,803 | 1/4 | 72,978 | 1/4 | 88,154 | 1/4 | 103,329 | 1/4 | 118,501 | 1/4 | 133,670 | 1/4 | 148,840 |
| 1/2 | 13,282 | 1/2 | 28,457 | 1/2 | 43,374 | 1/2 | 58,119 | 1/2 | 73,294 | 1/2 | 88,470 | 1/2 | 103,645 | 1/2 | 118,817 | 1/2 | 133,987 | 1/2 | 149,156 |
| 3/4 | 13,598 | 3/4 | 28,773 | 3/4 | 43,676 | 3/4 | 58,435 | 3/4 | 73,611 | 3/4 | 88,786 | 3/4 | 103,961 | 3/4 | 119,133 | 3/4 | 134,303 | 3/4 | 149,472 |
| 11 | 13,914 | 11 | 29,089 | 11 | 43,978 | 11 | 58,751 | 11 | 73,927 | 11 | 89,102 | 11 | 104,277 | 11 | 119,449 | 11 | 134,619 | 11 | 149,788 |
| 1/4 | 14,230 | 1/4 | 29,405 | 1/4 | 44,279 | 1/4 | 59,068 | 1/4 | 74,243 | 1/4 | 89,418 | 1/4 | 104,593 | 1/4 | 119,765 | 1/4 | 134,935 | 1/4 | 150,104 |
| 1/2 | 14,546 | 1/2 | 29,721 | 1/2 | 44,581 | 1/2 | 59,384 | 1/2 | 74,559 | 1/2 | 89,734 | 1/2 | 104,910 | 1/2 | 120,081 | 1/2 | 135,251 | 1/2 | 150,420 |
| 3/4 | 14,863 | 3/4 | 30,037 | 3/4 | 44,883 | 3/4 | 59,700 | 3/4 | 74,875 | 3/4 | 90,050 | 3/4 | 105,226 | 3/4 | 120,397 | 3/4 | 135,567 | 3/4 | 150,736 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 151,052 | 0 | 166,222 | 0 | 181,392 | 0 | 196,562 | 0 | 211,667 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 151,368 | 1/4 | 166,538 | 1/4 | 181,708 | 1/4 | 196,878 | 1/4 | 211,979 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 151,685 | 1/2 | 166,854 | 1/2 | 182,024 | 1/2 | 197,194 | 1/2 | 212,291 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 152,001 | 3/4 | 167,170 | 3/4 | 182,340 | 3/4 | 197,510 | 3/4 | 212,603 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 152,317 | 1 | 167,486 | 1 | 182,656 | 1 | 197,826 | 1 | 212,914 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 152,633 | 1/4 | 167,802 | 1/4 | 182,972 | 1/4 | 198,141 | 1/4 | 213,226 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,949 | 1/2 | 168,118 | 1/2 | 183,288 | 1/2 | 198,455 | 1/2 | 213,538 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,265 | 3/4 | 168,434 | 3/4 | 183,604 | 3/4 | 198,770 | 3/4 | 213,850 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 153,581 | 2 | 168,750 | 2 | 183,920 | 2 | 199,085 | 2 | 214,162 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 153,897 | 1/4 | 169,066 | 1/4 | 184,236 | 1/4 | 199,400 | 1/4 | 214,474 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,213 | 1/2 | 169,383 | 1/2 | 184,552 | 1/2 | 199,715 | 1/2 | 214,786 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,529 | 3/4 | 169,699 | 3/4 | 184,868 | 3/4 | 200,029 | 3/4 | 215,098 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 154,845 | 3 | 170,015 | 3 | 185,184 | 3 | 200,344 | 3 | 215,410 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 155,161 | 1/4 | 170,331 | 1/4 | 185,500 | 1/4 | 200,659 | 1/4 | 215,721 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,477 | 1/2 | 170,647 | 1/2 | 185,816 | 1/2 | 200,974 | 1/2 | 216,032 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,793 | 3/4 | 170,963 | 3/4 | 186,132 | 3/4 | 201,289 | 3/4 | 216,344 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 156,109 | 4 | 171,279 | 4 | 186,448 | 4 | 201,604 | 4 | 216,655 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 156,425 | 1/4 | 171,595 | 1/4 | 186,764 | 1/4 | 201,918 | 1/4 | 216,966 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 156,741 | 1/2 | 171,911 | 1/2 | 187,081 | 1/2 | 202,233 | 1/2 | 217,276 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 157,057 | 3/4 | 172,227 | 3/4 | 187,397 | 3/4 | 202,548 | 3/4 | 217,587 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 157,373 | 5 | 172,543 | 5 | 187,713 | 5 | 202,863 | 5 | 217,897 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 157,689 | 1/4 | 172,859 | 1/4 | 188,029 | 1/4 | 203,178 | 1/4 | 218,183 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 158,005 | 1/2 | 173,175 | 1/2 | 188,345 | 1/2 | 203,492 | 1/2 | 218,468 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 158,321 | 3/4 | 173,491 | 3/4 | 188,661 | 3/4 | 203,807 | 3/4 | 218,754 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 158,637 | 6 | 173,807 | 6 | 188,977 | 6 | 204,122 | 6 | 219,039 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 158,953 | 1/4 | 174,123 | 1/4 | 189,293 | 1/4 | 204,437 | 1/4 | 219,272 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 159,269 | 1/2 | 174,439 | 1/2 | 189,609 | 1/2 | 204,752 | 1/2 | 219,505 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 159,585 | 3/4 | 174,755 | 3/4 | 189,925 | 3/4 | 205,067 | 3/4 | 219,738 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 159,901 | 7 | 175,071 | 7 | 190,241 | 7 | 205,381 | 7 | 219,970 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 160,217 | 1/4 | 175,387 | 1/4 | 190,557 | 1/4 | 205,696 | 1/4 | 220,152 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 160,534 | 1/2 | 175,703 | 1/2 | 190,873 | 1/2 | 206,011 | 1/2 | 220,333 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 160,850 | 3/4 | 176,019 | 3/4 | 191,189 | 3/4 | 206,326 | 3/4 | 220,514 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 161,166 | 8 | 176,335 | 8 | 191,505 | 8 | 206,641 | 8 | 220,696 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 161,482 | 1/4 | 176,651 | 1/4 | 191,821 | 1/4 | 206,955 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 161,798 | 1/2 | 176,967 | 1/2 | 192,137 | 1/2 | 207,270 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 162,114 | 3/4 | 177,283 | 3/4 | 192,453 | 3/4 | 207,585 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 162,430 | 9 | 177,599 | 9 | 192,769 | 9 | 207,900 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 162,746 | 1/4 | 177,915 | 1/4 | 193,085 | 1/4 | 208,215 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 163,062 | 1/2 | 178,232 | 1/2 | 193,401 | 1/2 | 208,530 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 163,378 | 3/4 | 178,548 | 3/4 | 193,717 | 3/4 | 208,845 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 163,694 | 10 | 178,864 | 10 | 194,033 | 10 | 209,160 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 164,010 | 1/4 | 179,180 | 1/4 | 194,349 | 1/4 | 209,474 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 164,326 | 1/2 | 179,496 | 1/2 | 194,665 | 1/2 | 209,789 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 164,642 | 3/4 | 179,812 | 3/4 | 194,981 | 3/4 | 210,104 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 164,958 | 11 | 180,128 | 11 | 195,297 | 11 | 210,419 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 165,274 | 1/4 | 180,444 | 1/4 | 195,613 | 1/4 | 210,731 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 165,590 | 1/2 | 180,760 | 1/2 | 195,930 | 1/2 | 211,043 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 165,906 | 3/4 | 181,076 | 3/4 | 196,246 | 3/4 | 211,355 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 957 | 0 | 15,113 | 0 | 30,223 | 0 | 45,323 | 0 | 60,427 | 0 | 75,536 | 0 | 90,645 | 0 | 105,752 | 0 | 120,850 | 0 | 135,910 |
| 1/4 | 1,141 | 1/4 | 15,428 | 1/4 | 30,538 | 1/4 | 45,638 | 1/4 | 60,741 | 1/4 | 75,851 | 1/4 | 90,960 | 1/4 | 106,066 | 1/4 | 121,164 | 1/4 | 136,223 |
| 1/2 | 1,324 | 1/2 | 15,743 | 1/2 | 30,852 | 1/2 | 45,952 | 1/2 | 61,056 | 1/2 | 76,166 | 1/2 | 91,275 | 1/2 | 106,381 | 1/2 | 121,478 | 1/2 | 136,536 |
| 3/4 | 1,508 | 3/4 | 16,058 | 3/4 | 31,167 | 3/4 | 46,267 | 3/4 | 61,371 | 3/4 | 76,481 | 3/4 | 91,589 | 3/4 | 106,696 | 3/4 | 121,792 | 3/4 | 136,848 |
| 1 | 1,691 | 1 | 16,373 | 1 | 31,482 | 1 | 46,581 | 1 | 61,686 | 1 | 76,796 | 1 | 91,904 | 1 | 107,010 | 1 | 122,106 | 1 | 137,161 |
| 1/4 | 1,927 | 1/4 | 16,687 | 1/4 | 31,797 | 1/4 | 46,895 | 1/4 | 62,000 | 1/4 | 77,110 | 1/4 | 92,219 | 1/4 | 107,325 | 1/4 | 122,420 | 1/4 | 137,474 |
| 1/2 | 2,163 | 1/2 | 17,002 | 1/2 | 32,111 | 1/2 | 47,210 | 1/2 | 62,315 | 1/2 | 77,425 | 1/2 | 92,534 | 1/2 | 107,640 | 1/2 | 122,734 | 1/2 | 137,786 |
| 3/4 | 2,399 | 3/4 | 17,317 | 3/4 | 32,426 | 3/4 | 47,524 | 3/4 | 62,630 | 3/4 | 77,740 | 3/4 | 92,848 | 3/4 | 107,955 | 3/4 | 123,049 | 3/4 | 138,099 |
| 2 | 2,636 | 2 | 17,632 | 2 | 32,741 | 2 | 47,839 | 2 | 62,945 | 2 | 78,055 | 2 | 93,163 | 2 | 108,269 | 2 | 123,363 | 2 | 138,412 |
| 1/4 | 2,924 | 1/4 | 17,946 | 1/4 | 33,056 | 1/4 | 48,153 | 1/4 | 63,260 | 1/4 | 78,370 | 1/4 | 93,478 | 1/4 | 108,584 | 1/4 | 123,677 | 1/4 | 138,724 |
| 1/2 | 3,212 | 1/2 | 18,261 | 1/2 | 33,371 | 1/2 | 48,467 | 1/2 | 63,574 | 1/2 | 78,684 | 1/2 | 93,792 | 1/2 | 108,899 | 1/2 | 123,991 | 1/2 | 139,037 |
| 3/4 | 3,501 | 3/4 | 18,576 | 3/4 | 33,685 | 3/4 | 48,782 | 3/4 | 63,889 | 3/4 | 78,999 | 3/4 | 94,107 | 3/4 | 109,213 | 3/4 | 124,305 | 3/4 | 139,350 |
| 3 | 3,789 | 3 | 18,891 | 3 | 34,000 | 3 | 49,096 | 3 | 64,204 | 3 | 79,314 | 3 | 94,422 | 3 | 109,528 | 3 | 124,619 | 3 | 139,662 |
| 1/4 | 4,103 | 1/4 | 19,206 | 1/4 | 34,315 | 1/4 | 49,410 | 1/4 | 64,519 | 1/4 | 79,629 | 1/4 | 94,737 | 1/4 | 109,843 | 1/4 | 124,933 | 1/4 | 139,976 |
| 1/2 | 4,416 | 1/2 | 19,520 | 1/2 | 34,630 | 1/2 | 49,725 | 1/2 | 64,834 | 1/2 | 79,944 | 1/2 | 95,051 | 1/2 | 110,157 | 1/2 | 125,247 | 1/2 | 140,289 |
| 3/4 | 4,729 | 3/4 | 19,835 | 3/4 | 34,944 | 3/4 | 50,039 | 3/4 | 65,148 | 3/4 | 80,258 | 3/4 | 95,366 | 3/4 | 110,472 | 3/4 | 125,561 | 3/4 | 140,602 |
| 4 | 5,042 | 4 | 20,150 | 4 | 35,259 | 4 | 50,354 | 4 | 65,463 | 4 | 80,573 | 4 | 95,681 | 4 | 110,787 | 4 | 125,876 | 4 | 140,916 |
| 1/4 | 5,357 | 1/4 | 20,465 | 1/4 | 35,574 | 1/4 | 50,668 | 1/4 | 65,778 | 1/4 | 80,888 | 1/4 | 95,995 | 1/4 | 111,101 | 1/4 | 126,190 | 1/4 | 141,229 |
| 1/2 | 5,671 | 1/2 | 20,779 | 1/2 | 35,889 | 1/2 | 50,983 | 1/2 | 66,093 | 1/2 | 81,203 | 1/2 | 96,310 | 1/2 | 111,416 | 1/2 | 126,504 | 1/2 | 141,542 |
| 3/4 | 5,986 | 3/4 | 21,094 | 3/4 | 36,204 | 3/4 | 51,298 | 3/4 | 66,408 | 3/4 | 81,518 | 3/4 | 96,625 | 3/4 | 111,731 | 3/4 | 126,818 | 3/4 | 141,856 |
| 5 | 6,300 | 5 | 21,409 | 5 | 36,518 | 5 | 51,612 | 5 | 66,722 | 5 | 81,832 | 5 | 96,940 | 5 | 112,045 | 5 | 127,132 | 5 | 142,169 |
| 1/4 | 6,615 | 1/4 | 21,724 | 1/4 | 36,833 | 1/4 | 51,927 | 1/4 | 67,037 | 1/4 | 82,147 | 1/4 | 97,254 | 1/4 | 112,360 | 1/4 | 127,446 | 1/4 | 142,482 |
| 1/2 | 6,929 | 1/2 | 22,039 | 1/2 | 37,148 | 1/2 | 52,242 | 1/2 | 67,352 | 1/2 | 82,462 | 1/2 | 97,569 | 1/2 | 112,675 | 1/2 | 127,760 | 1/2 | 142,796 |
| 3/4 | 7,244 | 3/4 | 22,353 | 3/4 | 37,463 | 3/4 | 52,557 | 3/4 | 67,667 | 3/4 | 82,777 | 3/4 | 97,884 | 3/4 | 112,989 | 3/4 | 128,074 | 3/4 | 143,109 |
| 6 | 7,559 | 6 | 22,668 | 6 | 37,777 | 6 | 52,872 | 6 | 67,981 | 6 | 83,091 | 6 | 98,198 | 6 | 113,304 | 6 | 128,389 | 6 | 143,422 |
| 1/4 | 7,874 | 1/4 | 22,983 | 1/4 | 38,092 | 1/4 | 53,186 | 1/4 | 68,296 | 1/4 | 83,406 | 1/4 | 98,513 | 1/4 | 113,619 | 1/4 | 128,703 | 1/4 | 143,736 |
| 1/2 | 8,188 | 1/2 | 23,298 | 1/2 | 38,407 | 1/2 | 53,501 | 1/2 | 68,611 | 1/2 | 83,721 | 1/2 | 98,828 | 1/2 | 113,933 | 1/2 | 129,017 | 1/2 | 144,049 |
| 3/4 | 8,503 | 3/4 | 23,612 | 3/4 | 38,721 | 3/4 | 53,816 | 3/4 | 68,926 | 3/4 | 84,036 | 3/4 | 99,143 | 3/4 | 114,248 | 3/4 | 129,331 | 3/4 | 144,363 |
| 7 | 8,818 | 7 | 23,927 | 7 | 39,036 | 7 | 54,131 | 7 | 69,241 | 7 | 84,351 | 7 | 99,457 | 7 | 114,563 | 7 | 129,645 | 7 | 144,676 |
| 1/4 | 9,133 | 1/4 | 24,242 | 1/4 | 39,350 | 1/4 | 54,445 | 1/4 | 69,555 | 1/4 | 84,665 | 1/4 | 99,772 | 1/4 | 114,877 | 1/4 | 129,959 | 1/4 | 144,989 |
| 1/2 | 9,447 | 1/2 | 24,557 | 1/2 | 39,664 | 1/2 | 54,760 | 1/2 | 69,870 | 1/2 | 84,980 | 1/2 | 100,087 | 1/2 | 115,192 | 1/2 | 130,273 | 1/2 | 145,303 |
| 3/4 | 9,762 | 3/4 | 24,872 | 3/4 | 39,979 | 3/4 | 55,075 | 3/4 | 70,185 | 3/4 | 85,295 | 3/4 | 100,401 | 3/4 | 115,507 | 3/4 | 130,587 | 3/4 | 145,616 |
| 8 | 10,077 | 8 | 25,186 | 8 | 40,293 | 8 | 55,390 | 8 | 70,500 | 8 | 85,610 | 8 | 100,716 | 8 | 115,821 | 8 | 130,902 | 8 | 145,929 |
| 1/4 | 10,392 | 1/4 | 25,501 | 1/4 | 40,607 | 1/4 | 55,705 | 1/4 | 70,815 | 1/4 | 85,925 | 1/4 | 101,031 | 1/4 | 116,136 | 1/4 | 131,216 | 1/4 | 146,243 |
| 1/2 | 10,707 | 1/2 | 25,816 | 1/2 | 40,922 | 1/2 | 56,019 | 1/2 | 71,129 | 1/2 | 86,239 | 1/2 | 101,346 | 1/2 | 116,451 | 1/2 | 131,530 | 1/2 | 146,556 |
| 3/4 | 11,021 | 3/4 | 26,131 | 3/4 | 41,236 | 3/4 | 56,334 | 3/4 | 71,444 | 3/4 | 86,554 | 3/4 | 101,660 | 3/4 | 116,765 | 3/4 | 131,844 | 3/4 | 146,869 |
| 9 | 11,336 | 9 | 26,445 | 9 | 41,551 | 9 | 56,649 | 9 | 71,759 | 9 | 86,869 | 9 | 101,975 | 9 | 117,080 | 9 | 132,158 | 9 | 147,183 |
| 1/4 | 11,651 | 1/4 | 26,760 | 1/4 | 41,865 | 1/4 | 56,964 | 1/4 | 72,074 | 1/4 | 87,183 | 1/4 | 102,290 | 1/4 | 117,394 | 1/4 | 132,471 | 1/4 | 147,352 |
| 1/2 | 11,966 | 1/2 | 27,075 | 1/2 | 42,179 | 1/2 | 57,279 | 1/2 | 72,389 | 1/2 | 87,498 | 1/2 | 102,604 | 1/2 | 117,708 | 1/2 | 132,783 | 1/2 | 147,521 |
| 3/4 | 12,280 | 3/4 | 27,390 | 3/4 | 42,494 | 3/4 | 57,593 | 3/4 | 72,703 | 3/4 | 87,813 | 3/4 | 102,919 | 3/4 | 118,023 | 3/4 | 133,096 | 3/4 | 147,690 |
| 10 | 12,595 | 10 | 27,705 | 10 | 42,808 | 10 | 57,908 | 10 | 73,018 | 10 | 88,128 | 10 | 103,234 | 10 | 118,337 | 10 | 133,409 | 10 | 147,860 |
| 1/4 | 12,910 | 1/4 | 28,019 | 1/4 | 43,123 | 1/4 | 58,223 | 1/4 | 73,333 | 1/4 | 88,442 | 1/4 | 103,549 | 1/4 | 118,651 | 1/4 | 133,721 | 1/4 | 148,029 |
| 1/2 | 13,225 | 1/2 | 28,334 | 1/2 | 43,437 | 1/2 | 58,538 | 1/2 | 73,648 | 1/2 | 88,757 | 1/2 | 103,863 | 1/2 | 118,965 | 1/2 | 134,034 | 1/2 | 148,198 |
| 3/4 | 13,540 | 3/4 | 28,649 | 3/4 | 43,751 | 3/4 | 58,853 | 3/4 | 73,963 | 3/4 | 89,072 | 3/4 | 104,178 | 3/4 | 119,279 | 3/4 | 134,347 | 3/4 | 148,367 |
| 11 | 13,854 | 11 | 28,964 | 11 | 44,066 | 11 | 59,167 | 11 | 74,277 | 11 | 89,386 | 11 | 104,493 | 11 | 119,593 | 11 | 134,659 | 11 | 148,537 |
| 1/4 | 14,169 | 1/4 | 29,278 | 1/4 | 44,380 | 1/4 | 59,482 | 1/4 | 74,592 | 1/4 | 89,701 | 1/4 | 104,807 | 1/4 | 119,907 | 1/4 | 134,972 | 1/4 | 148,706 |
| 1/2 | 14,484 | 1/2 | 29,593 | 1/2 | 44,695 | 1/2 | 59,797 | 1/2 | 74,907 | 1/2 | 90,016 | 1/2 | 105,122 | 1/2 | 120,221 | 1/2 | 135,285 | 1/2 | 148,875 |
| 3/4 | 14,799 | 3/4 | 29,908 | 3/4 | 45,009 | 3/4 | 60,112 | 3/4 | 75,222 | 3/4 | 90,331 | 3/4 | 105,437 | 3/4 | 120,536 | 3/4 | 135,598 | 3/4 | 149,045 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 149,214 | 0 | 157,339 | 0 | 165,465 | 0 | 173,590 | 0 | 181,682 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 149,383 | 1/4 | 157,509 | 1/4 | 165,634 | 1/4 | 173,759 | 1/4 | 181,849 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 149,552 | 1/2 | 157,678 | 1/2 | 165,803 | 1/2 | 173,929 | 1/2 | 182,016 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 149,722 | 3/4 | 157,847 | 3/4 | 165,972 | 3/4 | 174,098 | 3/4 | 182,183 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 149,891 | 1 | 158,016 | 1 | 166,142 | 1 | 174,267 | 1 | 182,350 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 150,060 | 1/4 | 158,186 | 1/4 | 166,311 | 1/4 | 174,436 | 1/4 | 182,517 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 150,230 | 1/2 | 158,355 | 1/2 | 166,480 | 1/2 | 174,604 | 1/2 | 182,684 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 150,399 | 3/4 | 158,524 | 3/4 | 166,650 | 3/4 | 174,773 | 3/4 | 182,851 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 150,568 | 2 | 158,693 | 2 | 166,819 | 2 | 174,942 | 2 | 183,018 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 150,737 | 1/4 | 158,863 | 1/4 | 166,988 | 1/4 | 175,110 | 1/4 | 183,185 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 150,907 | 1/2 | 159,032 | 1/2 | 167,157 | 1/2 | 175,279 | 1/2 | 183,352 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 151,076 | 3/4 | 159,201 | 3/4 | 167,327 | 3/4 | 175,448 | 3/4 | 183,519 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 151,245 | 3 | 159,371 | 3 | 167,496 | 3 | 175,616 | 3 | 183,686 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 151,415 | 1/4 | 159,540 | 1/4 | 167,665 | 1/4 | 175,785 | 1/4 | 183,853 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 151,584 | 1/2 | 159,709 | 1/2 | 167,835 | 1/2 | 175,954 | 1/2 | 184,020 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 151,753 | 3/4 | 159,878 | 3/4 | 168,004 | 3/4 | 176,122 | 3/4 | 184,186 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 151,922 | 4 | 160,048 | 4 | 168,173 | 4 | 176,291 | 4 | 184,353 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 152,092 | 1/4 | 160,217 | 1/4 | 168,342 | 1/4 | 176,460 | 1/4 | 184,519 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,261 | 1/2 | 160,386 | 1/2 | 168,512 | 1/2 | 176,628 | 1/2 | 184,684 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 152,430 | 3/4 | 160,556 | 3/4 | 168,681 | 3/4 | 176,797 | 3/4 | 184,850 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 152,599 | 5 | 160,725 | 5 | 168,850 | 5 | 176,966 | 5 | 185,015 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 152,769 | 1/4 | 160,894 | 1/4 | 169,019 | 1/4 | 177,134 | 1/4 | 185,156 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,938 | 1/2 | 161,063 | 1/2 | 169,189 | 1/2 | 177,303 | 1/2 | 185,297 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,107 | 3/4 | 161,233 | 3/4 | 169,358 | 3/4 | 177,472 | 3/4 | 185,438 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 153,277 | 6 | 161,402 | 6 | 169,527 | 6 | 177,640 | 6 | 185,578 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 153,446 | 1/4 | 161,571 | 1/4 | 169,697 | 1/4 | 177,809 | 1/4 | 185,667 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 153,615 | 1/2 | 161,741 | 1/2 | 169,866 | 1/2 | 177,978 | 1/2 | 185,755 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,784 | 3/4 | 161,910 | 3/4 | 170,035 | 3/4 | 178,146 | 3/4 | 185,843 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 153,954 | 7 | 162,079 | 7 | 170,204 | 7 | 178,315 | 7 | 185,932 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 154,123 | 1/4 | 162,248 | 1/4 | 170,374 | 1/4 | 178,484 | 1/4 | 185,968 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,292 | 1/2 | 162,418 | 1/2 | 170,543 | 1/2 | 178,652 | 1/2 | 186,005 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,462 | 3/4 | 162,587 | 3/4 | 170,712 | 3/4 | 178,821 | 3/4 | 186,041 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 154,631 | 8 | 162,756 | 8 | 170,882 | 8 | 178,990 | 8 | 186,078 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 154,800 | 1/4 | 162,925 | 1/4 | 171,051 | 1/4 | 179,158 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,969 | 1/2 | 163,095 | 1/2 | 171,220 | 1/2 | 179,327 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,139 | 3/4 | 163,264 | 3/4 | 171,389 | 3/4 | 179,496 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 155,308 | 9 | 163,433 | 9 | 171,559 | 9 | 179,665 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 155,477 | 1/4 | 163,603 | 1/4 | 171,728 | 1/4 | 179,833 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,646 | 1/2 | 163,772 | 1/2 | 171,897 | 1/2 | 180,002 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,816 | 3/4 | 163,941 | 3/4 | 172,067 | 3/4 | 180,171 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 155,985 | 10 | 164,110 | 10 | 172,236 | 10 | 180,339 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 156,154 | 1/4 | 164,280 | 1/4 | 172,405 | 1/4 | 180,508 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 156,324 | 1/2 | 164,449 | 1/2 | 172,574 | 1/2 | 180,677 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 156,493 | 3/4 | 164,618 | 3/4 | 172,744 | 3/4 | 180,845 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 156,662 | 11 | 164,788 | 11 | 172,913 | 11 | 181,014 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 156,831 | 1/4 | 164,957 | 1/4 | 173,082 | 1/4 | 181,181 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 157,001 | 1/2 | 165,126 | 1/2 | 173,251 | 1/2 | 181,348 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 157,170 | 3/4 | 165,295 | 3/4 | 173,421 | 3/4 | 181,515 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 957 | 0 | 15,091 | 0 | 30,177 | 0 | 44,771 | 0 | 59,586 | 0 | 74,647 | 0 | 89,728 | 0 | 104,806 | 0 | 119,876 | 0 | 134,900 |
| 1/4 | 1,141 | 1/4 | 15,406 | 1/4 | 30,492 | 1/4 | 45,071 | 1/4 | 59,898 | 1/4 | 74,961 | 1/4 | 90,042 | 1/4 | 105,120 | 1/4 | 120,189 | 1/4 | 135,212 |
| 1/2 | 1,324 | 1/2 | 15,720 | 1/2 | 30,806 | 1/2 | 45,371 | 1/2 | 60,209 | 1/2 | 75,275 | 1/2 | 90,356 | 1/2 | 105,434 | 1/2 | 120,503 | 1/2 | 135,525 |
| 3/4 | 1,508 | 3/4 | 16,034 | 3/4 | 31,120 | 3/4 | 45,671 | 3/4 | 60,521 | 3/4 | 75,590 | 3/4 | 90,670 | 3/4 | 105,748 | 3/4 | 120,816 | 3/4 | 135,837 |
| 1 | 1,691 | 1 | 16,349 | 1 | 31,434 | 1 | 45,971 | 1 | 60,832 | 1 | 75,904 | 1 | 90,984 | 1 | 106,062 | 1 | 121,130 | 1 | 136,149 |
| 1/4 | 1,927 | 1/4 | 16,663 | 1/4 | 31,749 | 1/4 | 46,272 | 1/4 | 61,144 | 1/4 | 76,218 | 1/4 | 91,298 | 1/4 | 106,376 | 1/4 | 121,443 | 1/4 | 136,461 |
| 1/2 | 2,162 | 1/2 | 16,977 | 1/2 | 32,063 | 1/2 | 46,572 | 1/2 | 61,456 | 1/2 | 76,532 | 1/2 | 91,612 | 1/2 | 106,690 | 1/2 | 121,756 | 1/2 | 136,773 |
| 3/4 | 2,398 | 3/4 | 17,291 | 3/4 | 32,377 | 3/4 | 46,872 | 3/4 | 61,767 | 3/4 | 76,846 | 3/4 | 91,926 | 3/4 | 107,005 | 3/4 | 122,069 | 3/4 | 137,085 |
| 2 | 2,634 | 2 | 17,606 | 2 | 32,692 | 2 | 47,172 | 2 | 62,079 | 2 | 77,161 | 2 | 92,241 | 2 | 107,319 | 2 | 122,383 | 2 | 137,397 |
| 1/4 | 2,921 | 1/4 | 17,920 | 1/4 | 33,006 | 1/4 | 47,472 | 1/4 | 62,393 | 1/4 | 77,475 | 1/4 | 92,555 | 1/4 | 107,633 | 1/4 | 122,696 | 1/4 | 137,709 |
| 1/2 | 3,209 | 1/2 | 18,234 | 1/2 | 33,320 | 1/2 | 47,772 | 1/2 | 62,707 | 1/2 | 77,789 | 1/2 | 92,869 | 1/2 | 107,947 | 1/2 | 123,009 | 1/2 | 138,021 |
| 3/4 | 3,496 | 3/4 | 18,549 | 3/4 | 33,634 | 3/4 | 48,072 | 3/4 | 63,022 | 3/4 | 78,103 | 3/4 | 93,183 | 3/4 | 108,261 | 3/4 | 123,322 | 3/4 | 138,333 |
| 3 | 3,784 | 3 | 18,863 | 3 | 33,949 | 3 | 48,372 | 3 | 63,336 | 3 | 78,417 | 3 | 93,497 | 3 | 108,575 | 3 | 123,635 | 3 | 138,645 |
| 1/4 | 4,097 | 1/4 | 19,177 | 1/4 | 34,251 | 1/4 | 48,684 | 1/4 | 63,650 | 1/4 | 78,732 | 1/4 | 93,811 | 1/4 | 108,889 | 1/4 | 123,949 | 1/4 | 138,958 |
| 1/2 | 4,409 | 1/2 | 19,491 | 1/2 | 34,553 | 1/2 | 48,996 | 1/2 | 63,964 | 1/2 | 79,046 | 1/2 | 94,125 | 1/2 | 109,203 | 1/2 | 124,262 | 1/2 | 139,271 |
| 3/4 | 4,722 | 3/4 | 19,806 | 3/4 | 34,856 | 3/4 | 49,309 | 3/4 | 64,278 | 3/4 | 79,360 | 3/4 | 94,439 | 3/4 | 109,517 | 3/4 | 124,575 | 3/4 | 139,584 |
| 4 | 5,035 | 4 | 20,120 | 4 | 35,158 | 4 | 49,621 | 4 | 64,593 | 4 | 79,674 | 4 | 94,754 | 4 | 109,831 | 4 | 124,888 | 4 | 139,896 |
| 1/4 | 5,349 | 1/4 | 20,434 | 1/4 | 35,459 | 1/4 | 49,931 | 1/4 | 64,907 | 1/4 | 79,988 | 1/4 | 95,068 | 1/4 | 110,146 | 1/4 | 125,202 | 1/4 | 140,209 |
| 1/2 | 5,663 | 1/2 | 20,749 | 1/2 | 35,761 | 1/2 | 50,242 | 1/2 | 65,221 | 1/2 | 80,303 | 1/2 | 95,382 | 1/2 | 110,460 | 1/2 | 125,515 | 1/2 | 140,522 |
| 3/4 | 5,977 | 3/4 | 21,063 | 3/4 | 36,062 | 3/4 | 50,553 | 3/4 | 65,535 | 3/4 | 80,617 | 3/4 | 95,696 | 3/4 | 110,774 | 3/4 | 125,828 | 3/4 | 140,835 |
| 5 | 6,292 | 5 | 21,377 | 5 | 36,363 | 5 | 50,864 | 5 | 65,849 | 5 | 80,931 | 5 | 96,010 | 5 | 111,088 | 5 | 126,141 | 5 | 141,147 |
| 1/4 | 6,606 | 1/4 | 21,691 | 1/4 | 36,664 | 1/4 | 51,175 | 1/4 | 66,164 | 1/4 | 81,245 | 1/4 | 96,324 | 1/4 | 111,402 | 1/4 | 126,454 | 1/4 | 141,460 |
| 1/2 | 6,920 | 1/2 | 22,006 | 1/2 | 36,965 | 1/2 | 51,486 | 1/2 | 66,478 | 1/2 | 81,560 | 1/2 | 96,638 | 1/2 | 111,716 | 1/2 | 126,768 | 1/2 | 141,773 |
| 3/4 | 7,234 | 3/4 | 22,320 | 3/4 | 37,267 | 3/4 | 51,797 | 3/4 | 66,792 | 3/4 | 81,874 | 3/4 | 96,953 | 3/4 | 112,030 | 3/4 | 127,081 | 3/4 | 142,086 |
| 6 | 7,548 | 6 | 22,634 | 6 | 37,568 | 6 | 52,107 | 6 | 67,106 | 6 | 82,188 | 6 | 97,267 | 6 | 112,344 | 6 | 127,394 | 6 | 142,398 |
| 1/4 | 7,863 | 1/4 | 22,949 | 1/4 | 37,868 | 1/4 | 52,419 | 1/4 | 67,420 | 1/4 | 82,502 | 1/4 | 97,581 | 1/4 | 112,658 | 1/4 | 127,707 | 1/4 | 142,711 |
| 1/2 | 8,177 | 1/2 | 23,263 | 1/2 | 38,168 | 1/2 | 52,731 | 1/2 | 67,735 | 1/2 | 82,816 | 1/2 | 97,895 | 1/2 | 112,972 | 1/2 | 128,020 | 1/2 | 143,024 |
| 3/4 | 8,491 | 3/4 | 23,577 | 3/4 | 38,468 | 3/4 | 53,042 | 3/4 | 68,049 | 3/4 | 83,131 | 3/4 | 98,209 | 3/4 | 113,286 | 3/4 | 128,334 | 3/4 | 143,337 |
| 7 | 8,806 | 7 | 23,891 | 7 | 38,769 | 7 | 53,354 | 7 | 68,363 | 7 | 83,445 | 7 | 98,523 | 7 | 113,600 | 7 | 128,647 | 7 | 143,649 |
| 1/4 | 9,120 | 1/4 | 24,206 | 1/4 | 39,069 | 1/4 | 53,665 | 1/4 | 68,677 | 1/4 | 83,759 | 1/4 | 98,837 | 1/4 | 113,914 | 1/4 | 128,960 | 1/4 | 143,962 |
| 1/2 | 9,434 | 1/2 | 24,520 | 1/2 | 39,369 | 1/2 | 53,977 | 1/2 | 68,991 | 1/2 | 84,073 | 1/2 | 99,151 | 1/2 | 114,228 | 1/2 | 129,274 | 1/2 | 144,275 |
| 3/4 | 9,748 | 3/4 | 24,834 | 3/4 | 39,669 | 3/4 | 54,289 | 3/4 | 69,306 | 3/4 | 84,387 | 3/4 | 99,466 | 3/4 | 114,543 | 3/4 | 129,587 | 3/4 | 144,588 |
| 8 | 10,063 | 8 | 25,149 | 8 | 39,969 | 8 | 54,600 | 8 | 69,620 | 8 | 84,702 | 8 | 99,780 | 8 | 114,857 | 8 | 129,901 | 8 | 144,900 |
| 1/4 | 10,377 | 1/4 | 25,463 | 1/4 | 40,269 | 1/4 | 54,912 | 1/4 | 69,934 | 1/4 | 85,016 | 1/4 | 100,094 | 1/4 | 115,171 | 1/4 | 130,215 | 1/4 | 145,213 |
| 1/2 | 10,691 | 1/2 | 25,777 | 1/2 | 40,569 | 1/2 | 55,224 | 1/2 | 70,248 | 1/2 | 85,330 | 1/2 | 100,408 | 1/2 | 115,485 | 1/2 | 130,528 | 1/2 | 145,526 |
| 3/4 | 11,006 | 3/4 | 26,092 | 3/4 | 40,870 | 3/4 | 55,535 | 3/4 | 70,562 | 3/4 | 85,644 | 3/4 | 100,722 | 3/4 | 115,799 | 3/4 | 130,842 | 3/4 | 145,839 |
| 9 | 11,320 | 9 | 26,406 | 9 | 41,170 | 9 | 55,847 | 9 | 70,877 | 9 | 85,958 | 9 | 101,036 | 9 | 116,113 | 9 | 131,155 | 9 | 146,151 |
| 1/4 | 11,634 | 1/4 | 26,720 | 1/4 | 41,470 | 1/4 | 56,158 | 1/4 | 71,191 | 1/4 | 86,272 | 1/4 | 101,350 | 1/4 | 116,427 | 1/4 | 131,467 | 1/4 | 146,320 |
| 1/2 | 11,949 | 1/2 | 27,034 | 1/2 | 41,770 | 1/2 | 56,470 | 1/2 | 71,505 | 1/2 | 86,586 | 1/2 | 101,664 | 1/2 | 116,740 | 1/2 | 131,779 | 1/2 | 146,489 |
| 3/4 | 12,263 | 3/4 | 27,349 | 3/4 | 42,070 | 3/4 | 56,782 | 3/4 | 71,819 | 3/4 | 86,900 | 3/4 | 101,979 | 3/4 | 117,054 | 3/4 | 132,091 | 3/4 | 146,658 |
| 10 | 12,577 | 10 | 27,663 | 10 | 42,370 | 10 | 57,093 | 10 | 72,133 | 10 | 87,215 | 10 | 102,293 | 10 | 117,367 | 10 | 132,404 | 10 | 146,826 |
| 1/4 | 12,891 | 1/4 | 27,977 | 1/4 | 42,670 | 1/4 | 57,405 | 1/4 | 72,448 | 1/4 | 87,529 | 1/4 | 102,607 | 1/4 | 117,681 | 1/4 | 132,716 | 1/4 | 146,995 |
| 1/2 | 13,206 | 1/2 | 28,292 | 1/2 | 42,970 | 1/2 | 57,716 | 1/2 | 72,762 | 1/2 | 87,843 | 1/2 | 102,921 | 1/2 | 117,994 | 1/2 | 133,028 | 1/2 | 147,164 |
| 3/4 | 13,520 | 3/4 | 28,606 | 3/4 | 43,270 | 3/4 | 58,028 | 3/4 | 73,076 | 3/4 | 88,157 | 3/4 | 103,235 | 3/4 | 118,308 | 3/4 | 133,340 | 3/4 | 147,332 |
| 11 | 13,834 | 11 | 28,920 | 11 | 43,571 | 11 | 58,340 | 11 | 73,390 | 11 | 88,471 | 11 | 103,549 | 11 | 118,621 | 11 | 133,652 | 11 | 147,501 |
| 1/4 | 14,149 | 1/4 | 29,234 | 1/4 | 43,871 | 1/4 | 58,651 | 1/4 | 73,704 | 1/4 | 88,785 | 1/4 | 103,863 | 1/4 | 118,935 | 1/4 | 133,964 | 1/4 | 147,670 |
| 1/2 | 14,463 | 1/2 | 29,549 | 1/2 | 44,171 | 1/2 | 58,963 | 1/2 | 74,019 | 1/2 | 89,099 | 1/2 | 104,177 | 1/2 | 119,248 | 1/2 | 134,276 | 1/2 | 147,838 |
| 3/4 | 14,777 | 3/4 | 29,863 | 3/4 | 44,471 | 3/4 | 59,274 | 3/4 | 74,333 | 3/4 | 89,413 | 3/4 | 104,492 | 3/4 | 119,562 | 3/4 | 134,588 | 3/4 | 148,007 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 148,176 | 0 | 156,273 | 0 | 164,370 | 0 | 172,467 | 0 | 180,531 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 148,344 | 1/4 | 156,442 | 1/4 | 164,539 | 1/4 | 172,636 | 1/4 | 180,697 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 148,513 | 1/2 | 156,610 | 1/2 | 164,707 | 1/2 | 172,805 | 1/2 | 180,864 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 148,682 | 3/4 | 156,779 | 3/4 | 164,876 | 3/4 | 172,973 | 3/4 | 181,030 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 148,851 | 1 | 156,948 | 1 | 165,045 | 1 | 173,142 | 1 | 181,197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 149,019 | 1/4 | 157,116 | 1/4 | 165,214 | 1/4 | 173,310 | 1/4 | 181,363 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 149,188 | 1/2 | 157,285 | 1/2 | 165,382 | 1/2 | 173,478 | 1/2 | 181,530 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 149,357 | 3/4 | 157,454 | 3/4 | 165,551 | 3/4 | 173,646 | 3/4 | 181,696 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 149,525 | 2 | 157,622 | 2 | 165,720 | 2 | 173,814 | 2 | 181,863 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 149,694 | 1/4 | 157,791 | 1/4 | 165,888 | 1/4 | 173,982 | 1/4 | 182,029 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 149,863 | 1/2 | 157,960 | 1/2 | 166,057 | 1/2 | 174,150 | 1/2 | 182,196 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 150,031 | 3/4 | 158,129 | 3/4 | 166,226 | 3/4 | 174,319 | 3/4 | 182,362 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 150,200 | 3 | 158,297 | 3 | 166,394 | 3 | 174,487 | 3 | 182,528 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 150,369 | 1/4 | 158,466 | 1/4 | 166,563 | 1/4 | 174,655 | 1/4 | 182,694 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 150,537 | 1/2 | 158,635 | 1/2 | 166,732 | 1/2 | 174,823 | 1/2 | 182,860 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 150,706 | 3/4 | 158,803 | 3/4 | 166,900 | 3/4 | 174,991 | 3/4 | 183,026 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 150,875 | 4 | 158,972 | 4 | 167,069 | 4 | 175,159 | 4 | 183,193 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 151,043 | 1/4 | 159,141 | 1/4 | 167,238 | 1/4 | 175,327 | 1/4 | 183,357 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 151,212 | 1/2 | 159,309 | 1/2 | 167,406 | 1/2 | 175,495 | 1/2 | 183,522 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 151,381 | 3/4 | 159,478 | 3/4 | 167,575 | 3/4 | 175,663 | 3/4 | 183,687 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 151,550 | 5 | 159,647 | 5 | 167,744 | 5 | 175,831 | 5 | 183,852 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 151,718 | 1/4 | 159,815 | 1/4 | 167,913 | 1/4 | 175,999 | 1/4 | 183,993 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 151,887 | 1/2 | 159,984 | 1/2 | 168,081 | 1/2 | 176,167 | 1/2 | 184,133 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 152,056 | 3/4 | 160,153 | 3/4 | 168,250 | 3/4 | 176,335 | 3/4 | 184,273 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 152,224 | 6 | 160,321 | 6 | 168,419 | 6 | 176,504 | 6 | 184,413 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 152,393 | 1/4 | 160,490 | 1/4 | 168,587 | 1/4 | 176,672 | 1/4 | 184,501 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 152,562 | 1/2 | 160,659 | 1/2 | 168,756 | 1/2 | 176,840 | 1/2 | 184,589 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 152,730 | 3/4 | 160,828 | 3/4 | 168,925 | 3/4 | 177,008 | 3/4 | 184,677 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 152,899 | 7 | 160,996 | 7 | 169,093 | 7 | 177,176 | 7 | 184,764 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 153,068 | 1/4 | 161,165 | 1/4 | 169,262 | 1/4 | 177,344 | 1/4 | 184,800 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 153,236 | 1/2 | 161,334 | 1/2 | 169,431 | 1/2 | 177,512 | 1/2 | 184,836 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 153,405 | 3/4 | 161,502 | 3/4 | 169,599 | 3/4 | 177,680 | 3/4 | 184,872 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 153,574 | 8 | 161,671 | 8 | 169,768 | 8 | 177,848 | 8 | 184,908 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 153,743 | 1/4 | 161,840 | 1/4 | 169,937 | 1/4 | 178,016 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 153,911 | 1/2 | 162,008 | 1/2 | 170,106 | 1/2 | 178,184 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,080 | 3/4 | 162,177 | 3/4 | 170,274 | 3/4 | 178,352 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 154,249 | 9 | 162,346 | 9 | 170,443 | 9 | 178,521 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 154,417 | 1/4 | 162,514 | 1/4 | 170,612 | 1/4 | 178,689 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 154,586 | 1/2 | 162,683 | 1/2 | 170,780 | 1/2 | 178,857 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 154,755 | 3/4 | 162,852 | 3/4 | 170,949 | 3/4 | 179,025 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 154,923 | 10 | 163,021 | 10 | 171,118 | 10 | 179,193 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 155,092 | 1/4 | 163,189 | 1/4 | 171,286 | 1/4 | 179,361 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,261 | 1/2 | 163,358 | 1/2 | 171,455 | 1/2 | 179,529 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 155,429 | 3/4 | 163,527 | 3/4 | 171,624 | 3/4 | 179,697 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 155,598 | 11 | 163,695 | 11 | 171,792 | 11 | 179,865 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 155,767 | 1/4 | 163,864 | 1/4 | 171,961 | 1/4 | 180,032 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 155,936 | 1/2 | 164,033 | 1/2 | 172,130 | 1/2 | 180,198 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 156,104 | 3/4 | 164,201 | 3/4 | 172,299 | 3/4 | 180,365 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 |
| 1 STBD | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 |
| 2 PORT | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| 2 STBD | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| 3 PORT | 00-5/8 | - 00-5/8 | 01-1/8 | - 01-1/8 | 01-3/4 | - 01-3/4 | 02-1/4 | - 02-1/4 | 02-7/8 | - 02-7/8 | 03-3/8 | - 03-3/8 |
| 3 STBD | 00-5/8 | - 00-5/8 | 01-1/8 | - 01-1/8 | 01-3/4 | - 01-3/4 | 02-1/4 | - 02-1/4 | 02-7/8 | - 02-7/8 | 03-3/8 | - 03-3/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

February 26, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 380"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | 208,397 | 0 | 193,206 | 0 | 177,980 | 0 | 162,753 | 0 | 147,527 | 0 | 132,301 | 0 | 117,075 | 0 | 101,845 | | |
| 1/4 | 1/4 | 222,189 | 1/4 | 208,081 | 1/4 | 192,889 | 1/4 | 177,663 | 1/4 | 162,436 | 1/4 | 147,210 | 1/4 | 131,984 | 1/4 | 116,757 | 1/4 | 101,528 | | | |
| 1/2 | 1/2 | 222,007 | 1/2 | 207,765 | 1/2 | 192,572 | 1/2 | 177,345 | 1/2 | 162,119 | 1/2 | 146,893 | 1/2 | 131,666 | 1/2 | 116,440 | 1/2 | 101,210 | | | |
| 3/4 | 3/4 | 221,825 | 3/4 | 207,449 | 3/4 | 192,254 | 3/4 | 177,028 | 3/4 | 161,802 | 3/4 | 146,576 | 3/4 | 131,349 | 3/4 | 116,123 | 3/4 | 100,893 | | | |
| 1 | | 1 | | 1 | 207,133 | 1 | 191,937 | 1 | 176,711 | 1 | 161,485 | 1 | 146,258 | 1 | 131,032 | 1 | 115,806 | 1 | 100,576 | | |
| 1/4 | 1/4 | 221,461 | 1/4 | 206,817 | 1/4 | 191,620 | 1/4 | 176,394 | 1/4 | 161,167 | 1/4 | 145,941 | 1/4 | 130,715 | 1/4 | 115,488 | 1/4 | 100,258 | | | |
| 1/2 | 1/2 | 221,227 | 1/2 | 206,501 | 1/2 | 191,303 | 1/2 | 176,077 | 1/2 | 160,850 | 1/2 | 145,624 | 1/2 | 130,398 | 1/2 | 115,171 | 1/2 | 99,941 | | | |
| 3/4 | 3/4 | 220,993 | 3/4 | 206,185 | 3/4 | 190,986 | 3/4 | 175,759 | 3/4 | 160,533 | 3/4 | 145,307 | 3/4 | 130,080 | 3/4 | 114,854 | 3/4 | 99,624 | | | |
| 2 | | 2 | | 2 | 205,869 | 2 | 190,668 | 2 | 175,442 | 2 | 160,216 | 2 | 144,989 | 2 | 129,763 | 2 | 114,537 | 2 | 99,306 | | |
| 1/4 | 1/4 | 220,526 | 1/4 | 205,553 | 1/4 | 190,351 | 1/4 | 175,125 | 1/4 | 159,899 | 1/4 | 144,672 | 1/4 | 129,446 | 1/4 | 114,220 | 1/4 | 98,989 | | | |
| 1/2 | 1/2 | 220,239 | 1/2 | 205,237 | 1/2 | 190,034 | 1/2 | 174,808 | 1/2 | 159,581 | 1/2 | 144,355 | 1/2 | 129,129 | 1/2 | 113,902 | 1/2 | 98,672 | | | |
| 3/4 | 3/4 | 219,953 | 3/4 | 204,921 | 3/4 | 189,717 | 3/4 | 174,490 | 3/4 | 159,264 | 3/4 | 144,038 | 3/4 | 128,812 | 3/4 | 113,585 | 3/4 | 98,354 | | | |
| 3 | | 3 | | 3 | 204,605 | 3 | 189,400 | 3 | 174,173 | 3 | 158,947 | 3 | 143,721 | 3 | 128,494 | 3 | 113,268 | 3 | 98,037 | | |
| 1/4 | 1/4 | 219,380 | 1/4 | 204,289 | 1/4 | 189,082 | 1/4 | 173,856 | 1/4 | 158,630 | 1/4 | 143,403 | 1/4 | 128,177 | 1/4 | 112,951 | 1/4 | 97,720 | | | |
| 1/2 | 1/2 | 219,068 | 1/2 | 203,973 | 1/2 | 188,765 | 1/2 | 173,539 | 1/2 | 158,312 | 1/2 | 143,086 | 1/2 | 127,860 | 1/2 | 112,634 | 1/2 | 97,402 | | | |
| 3/4 | 3/4 | 218,757 | 3/4 | 203,657 | 3/4 | 188,448 | 3/4 | 173,222 | 3/4 | 157,995 | 3/4 | 142,769 | 3/4 | 127,543 | 3/4 | 112,316 | 3/4 | 97,085 | | | |
| 4 | | 4 | | 4 | 203,341 | 4 | 188,131 | 4 | 172,904 | 4 | 157,678 | 4 | 142,452 | 4 | 127,225 | 4 | 111,999 | 4 | 96,768 | | |
| 1/4 | 1/4 | 218,133 | 1/4 | 203,025 | 1/4 | 187,813 | 1/4 | 172,587 | 1/4 | 157,361 | 1/4 | 142,135 | 1/4 | 126,908 | 1/4 | 111,682 | 1/4 | 96,450 | | | |
| 1/2 | 1/2 | 217,821 | 1/2 | 202,709 | 1/2 | 187,496 | 1/2 | 172,270 | 1/2 | 157,044 | 1/2 | 141,817 | 1/2 | 126,591 | 1/2 | 111,365 | 1/2 | 96,133 | | | |
| 3/4 | 3/4 | 217,508 | 3/4 | 202,393 | 3/4 | 187,179 | 3/4 | 171,953 | 3/4 | 156,726 | 3/4 | 141,500 | 3/4 | 126,274 | 3/4 | 111,047 | 3/4 | 95,816 | | | |
| 5 | | 5 | | 5 | 202,077 | 5 | 186,862 | 5 | 171,636 | 5 | 156,409 | 5 | 141,183 | 5 | 125,957 | 5 | 110,730 | 5 | 95,498 | | |
| 1/4 | 1/4 | 216,883 | 1/4 | 201,761 | 1/4 | 186,545 | 1/4 | 171,318 | 1/4 | 156,092 | 1/4 | 140,866 | 1/4 | 125,639 | 1/4 | 110,413 | 1/4 | 95,181 | | | |
| 1/2 | 1/2 | 216,570 | 1/2 | 201,445 | 1/2 | 186,227 | 1/2 | 171,001 | 1/2 | 155,775 | 1/2 | 140,548 | 1/2 | 125,322 | 1/2 | 110,096 | 1/2 | 94,864 | | | |
| 3/4 | 3/4 | 216,257 | 3/4 | 201,129 | 3/4 | 185,910 | 3/4 | 170,684 | 3/4 | 155,458 | 3/4 | 140,231 | 3/4 | 125,005 | 3/4 | 109,778 | 3/4 | 94,546 | | | |
| 6 | | 6 | | 6 | 200,813 | 6 | 185,593 | 6 | 170,367 | 6 | 155,140 | 6 | 139,914 | 6 | 124,688 | 6 | 109,461 | 6 | 94,229 | | |
| 1/4 | 1/4 | 215,631 | 1/4 | 200,497 | 1/4 | 185,276 | 1/4 | 170,049 | 1/4 | 154,823 | 1/4 | 139,597 | 1/4 | 124,370 | 1/4 | 109,144 | 1/4 | 93,912 | | | |
| 1/2 | 1/2 | 215,318 | 1/2 | 200,181 | 1/2 | 184,959 | 1/2 | 169,732 | 1/2 | 154,506 | 1/2 | 139,280 | 1/2 | 124,053 | 1/2 | 108,826 | 1/2 | 93,594 | | | |
| 3/4 | 3/4 | 215,005 | 3/4 | 199,865 | 3/4 | 184,641 | 3/4 | 169,415 | 3/4 | 154,189 | 3/4 | 138,962 | 3/4 | 123,736 | 3/4 | 108,509 | 3/4 | 93,277 | | | |
| 7 | | 7 | | 7 | 199,549 | 7 | 184,324 | 7 | 169,098 | 7 | 153,871 | 7 | 138,645 | 7 | 123,419 | 7 | 108,192 | 7 | 92,960 | | |
| 1/4 | 1/4 | 214,378 | 1/4 | 199,233 | 1/4 | 184,007 | 1/4 | 168,781 | 1/4 | 153,554 | 1/4 | 138,328 | 1/4 | 123,102 | 1/4 | 107,874 | 1/4 | 92,642 | | | |
| 1/2 | 1/2 | 214,065 | 1/2 | 198,916 | 1/2 | 183,690 | 1/2 | 168,463 | 1/2 | 153,237 | 1/2 | 138,011 | 1/2 | 122,784 | 1/2 | 107,557 | 1/2 | 92,325 | | | |
| 3/4 | 3/4 | 213,752 | 3/4 | 198,599 | 3/4 | 183,372 | 3/4 | 168,146 | 3/4 | 152,920 | 3/4 | 137,694 | 3/4 | 122,467 | 3/4 | 107,240 | 3/4 | 92,008 | | | |
| 8 | | 8 | | 8 | 198,282 | 8 | 183,055 | 8 | 167,829 | 8 | 152,603 | 8 | 137,376 | 8 | 122,150 | 8 | 106,922 | 8 | 91,690 | | |
| 1/4 | 1/4 | 213,126 | 1/4 | 197,964 | 1/4 | 182,738 | 1/4 | 167,512 | 1/4 | 152,285 | 1/4 | 137,059 | 1/4 | 121,833 | 1/4 | 106,605 | 1/4 | 91,373 | | | |
| 1/2 | 1/2 | 212,813 | 1/2 | 197,647 | 1/2 | 182,421 | 1/2 | 167,195 | 1/2 | 151,968 | 1/2 | 136,742 | 1/2 | 121,516 | 1/2 | 106,288 | 1/2 | 91,056 | | | |
| 3/4 | 3/4 | 212,500 | 3/4 | 197,330 | 3/4 | 182,104 | 3/4 | 166,877 | 3/4 | 151,651 | 3/4 | 136,425 | 3/4 | 121,198 | 3/4 | 105,970 | 3/4 | 90,738 | | | |
| 9 | | 9 | | 9 | 197,013 | 9 | 181,786 | 9 | 166,560 | 9 | 151,334 | 9 | 136,107 | 9 | 120,881 | 9 | 105,653 | 9 | 90,421 | | |
| 1/4 | 1/4 | 211,874 | 1/4 | 196,695 | 1/4 | 181,469 | 1/4 | 166,243 | 1/4 | 151,017 | 1/4 | 135,790 | 1/4 | 120,564 | 1/4 | 105,336 | 1/4 | 90,104 | | | |
| 1/2 | 1/2 | 211,558 | 1/2 | 196,378 | 1/2 | 181,152 | 1/2 | 165,926 | 1/2 | 150,699 | 1/2 | 135,473 | 1/2 | 120,247 | 1/2 | 105,018 | 1/2 | 89,786 | | | |
| 3/4 | 3/4 | 211,242 | 3/4 | 196,061 | 3/4 | 180,835 | 3/4 | 165,608 | 3/4 | 150,382 | 3/4 | 135,156 | 3/4 | 119,929 | 3/4 | 104,701 | 3/4 | 89,469 | | | |
| 10 | | 10 | | 10 | 195,744 | 10 | 180,518 | 10 | 165,291 | 10 | 150,065 | 10 | 134,839 | 10 | 119,612 | 10 | 104,384 | 10 | 89,152 | | |
| 1/4 | 1/4 | 210,609 | 1/4 | 195,427 | 1/4 | 180,200 | 1/4 | 164,974 | 1/4 | 149,748 | 1/4 | 134,521 | 1/4 | 119,295 | 1/4 | 104,066 | 1/4 | 88,834 | | | |
| 1/2 | 1/2 | 210,293 | 1/2 | 195,109 | 1/2 | 179,883 | 1/2 | 164,657 | 1/2 | 149,430 | 1/2 | 134,204 | 1/2 | 118,978 | 1/2 | 103,749 | 1/2 | 88,517 | | | |
| 3/4 | 3/4 | 209,977 | 3/4 | 194,792 | 3/4 | 179,566 | 3/4 | 164,340 | 3/4 | 149,113 | 3/4 | 133,887 | 3/4 | 118,661 | 3/4 | 103,432 | 3/4 | 88,200 | | | |
| 11 | | 11 | | 11 | 194,475 | 11 | 179,249 | 11 | 164,022 | 11 | 148,796 | 11 | 133,570 | 11 | 118,343 | 11 | 103,114 | 11 | 87,882 | | |
| 1/4 | 1/4 | 209,661 | 1/4 | 194,158 | 1/4 | 178,931 | 1/4 | 163,705 | 1/4 | 148,479 | 1/4 | 133,253 | 1/4 | 118,026 | 1/4 | 102,797 | 1/4 | 87,565 | | | |
| 1/2 | 1/2 | 209,029 | 1/2 | 193,841 | 1/2 | 178,614 | 1/2 | 163,388 | 1/2 | 148,162 | 1/2 | 132,935 | 1/2 | 117,709 | 1/2 | 102,480 | 1/2 | 87,248 | | | |
| 3/4 | 3/4 | 208,713 | 3/4 | 193,523 | 3/4 | 178,297 | 3/4 | 163,071 | 3/4 | 147,844 | 3/4 | 132,618 | 3/4 | 117,392 | 3/4 | 102,162 | 3/4 | 86,930 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 380"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 86,613 | 0 | 71,381 | 0 | 56,149 | 0 | 40,935 | 0 | 25,707 | 0 | 10,475 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 86,296 | 1/4 | 71,064 | 1/4 | 55,832 | 1/4 | 40,619 | 1/4 | 25,389 | 1/4 | 10,158 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 85,979 | 1/2 | 70,747 | 1/2 | 55,515 | 1/2 | 40,302 | 1/2 | 25,072 | 1/2 | 9,841 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 85,661 | 3/4 | 70,429 | 3/4 | 55,197 | 3/4 | 39,985 | 3/4 | 24,755 | 3/4 | 9,523 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 85,344 | 1 | 70,112 | 1 | 54,880 | 1 | 39,668 | 1 | 24,437 | 1 | 9,206 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 85,027 | 1/4 | 69,795 | 1/4 | 54,563 | 1/4 | 39,351 | 1/4 | 24,120 | 1/4 | 8,889 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 84,709 | 1/2 | 69,477 | 1/2 | 54,245 | 1/2 | 39,034 | 1/2 | 23,803 | 1/2 | 8,571 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,392 | 3/4 | 69,160 | 3/4 | 53,928 | 3/4 | 38,717 | 3/4 | 23,485 | 3/4 | 8,254 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 84,075 | 2 | 68,843 | 2 | 53,611 | 2 | 38,399 | 2 | 23,168 | 2 | 7,937 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 83,757 | 1/4 | 68,525 | 1/4 | 53,293 | 1/4 | 38,082 | 1/4 | 22,851 | 1/4 | 7,619 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,440 | 1/2 | 68,208 | 1/2 | 52,976 | 1/2 | 37,765 | 1/2 | 22,533 | 1/2 | 7,302 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 83,123 | 3/4 | 67,891 | 3/4 | 52,659 | 3/4 | 37,447 | 3/4 | 22,216 | 3/4 | 6,985 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 82,805 | 3 | 67,573 | 3 | 52,341 | 3 | 37,130 | 3 | 21,899 | 3 | 6,668 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 82,488 | 1/4 | 67,256 | 1/4 | 52,024 | 1/4 | 36,813 | 1/4 | 21,582 | 1/4 | 6,350 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 82,171 | 1/2 | 66,939 | 1/2 | 51,707 | 1/2 | 36,496 | 1/2 | 21,264 | 1/2 | 6,034 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,853 | 3/4 | 66,621 | 3/4 | 51,390 | 3/4 | 36,178 | 3/4 | 20,947 | 3/4 | 5,717 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 81,536 | 4 | 66,304 | 4 | 51,074 | 4 | 35,861 | 4 | 20,630 | 4 | 5,400 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 81,219 | 1/4 | 65,987 | 1/4 | 50,757 | 1/4 | 35,544 | 1/4 | 20,312 | 1/4 | 5,083 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,901 | 1/2 | 65,669 | 1/2 | 50,440 | 1/2 | 35,226 | 1/2 | 19,995 | 1/2 | 4,767 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 80,584 | 3/4 | 65,352 | 3/4 | 50,123 | 3/4 | 34,909 | 3/4 | 19,678 | 3/4 | 4,451 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 80,267 | 5 | 65,035 | 5 | 49,806 | 5 | 34,592 | 5 | 19,360 | 5 | 4,135 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 79,949 | 1/4 | 64,717 | 1/4 | 49,489 | 1/4 | 34,274 | 1/4 | 19,043 | 1/4 | 3,820 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 79,632 | 1/2 | 64,400 | 1/2 | 49,172 | 1/2 | 33,957 | 1/2 | 18,726 | 1/2 | 3,529 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 79,315 | 3/4 | 64,083 | 3/4 | 48,856 | 3/4 | 33,640 | 3/4 | 18,408 | 3/4 | 3,238 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 78,997 | 6 | 63,765 | 6 | 48,539 | 6 | 33,322 | 6 | 18,091 | 6 | 2,947 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 78,680 | 1/4 | 63,448 | 1/4 | 48,222 | 1/4 | 33,005 | 1/4 | 17,774 | 1/4 | 2,656 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,363 | 1/2 | 63,131 | 1/2 | 47,905 | 1/2 | 32,688 | 1/2 | 17,456 | 1/2 | 2,419 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,045 | 3/4 | 62,813 | 3/4 | 47,589 | 3/4 | 32,370 | 3/4 | 17,139 | 3/4 | 2,181 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 77,728 | 7 | 62,496 | 7 | 47,272 | 7 | 32,053 | 7 | 16,822 | 7 | 1,943 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 77,411 | 1/4 | 62,179 | 1/4 | 46,955 | 1/4 | 31,736 | 1/4 | 16,504 | 1/4 | 1,705 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,093 | 1/2 | 61,861 | 1/2 | 46,638 | 1/2 | 31,418 | 1/2 | 16,187 | 1/2 | 1,520 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,776 | 3/4 | 61,544 | 3/4 | 46,321 | 3/4 | 31,101 | 3/4 | 15,870 | 3/4 | 1,335 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 76,459 | 8 | 61,227 | 8 | 46,005 | 8 | 30,784 | 8 | 15,552 | 8 | 1,149 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 76,141 | 1/4 | 60,909 | 1/4 | 45,688 | 1/4 | 30,466 | 1/4 | 15,235 | 1/4 | 965 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,824 | 1/2 | 60,592 | 1/2 | 45,371 | 1/2 | 30,149 | 1/2 | 14,918 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,507 | 3/4 | 60,275 | 3/4 | 45,054 | 3/4 | 29,832 | 3/4 | 14,601 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 75,189 | 9 | 59,957 | 9 | 44,737 | 9 | 29,515 | 9 | 14,283 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 74,872 | 1/4 | 59,640 | 1/4 | 44,420 | 1/4 | 29,197 | 1/4 | 13,966 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,555 | 1/2 | 59,323 | 1/2 | 44,104 | 1/2 | 28,880 | 1/2 | 13,649 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,237 | 3/4 | 59,005 | 3/4 | 43,787 | 3/4 | 28,563 | 3/4 | 13,331 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 73,920 | 10 | 58,688 | 10 | 43,470 | 10 | 28,245 | 10 | 13,014 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 73,603 | 1/4 | 58,371 | 1/4 | 43,153 | 1/4 | 27,928 | 1/4 | 12,697 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,285 | 1/2 | 58,053 | 1/2 | 42,836 | 1/2 | 27,611 | 1/2 | 12,379 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,968 | 3/4 | 57,736 | 3/4 | 42,520 | 3/4 | 27,293 | 3/4 | 12,062 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 72,651 | 11 | 57,419 | 11 | 42,203 | 11 | 26,976 | 11 | 11,745 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 72,333 | 1/4 | 57,101 | 1/4 | 41,886 | 1/4 | 26,659 | 1/4 | 11,427 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,016 | 1/2 | 56,784 | 1/2 | 41,569 | 1/2 | 26,341 | 1/2 | 11,110 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,699 | 3/4 | 56,467 | 3/4 | 41,252 | 3/4 | 26,024 | 3/4 | 10,793 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|---------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | 208,949 | 0 | 193,761 | 0 | 178,534 | 0 | 163,308 | 0 | 148,082 | 0 | 132,856 | 0 | 117,629 | 0 | 102,400 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 208,633 | 1/4 | 193,444 | 1/4 | 178,217 | 1/4 | 162,991 | 1/4 | 147,765 | 1/4 | 132,538 | 1/4 | 117,312 | 1/4 | 102,083 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 208,317 | 1/2 | 193,126 | 1/2 | 177,900 | 1/2 | 162,674 | 1/2 | 147,447 | 1/2 | 132,221 | 1/2 | 116,995 | 1/2 | 101,765 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 222,109 | 3/4 | 208,001 | 3/4 | 192,809 | 3/4 | 177,583 | 3/4 | 162,356 | 3/4 | 147,130 | 3/4 | 131,904 | 3/4 | 116,678 | 3/4 | 101,448 |
| 1 | | 1 | | 1 | 221,927 | 1 | 207,685 | 1 | 192,492 | 1 | 177,266 | 1 | 162,039 | 1 | 146,813 | 1 | 131,587 | 1 | 116,360 | 1 | 101,131 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 221,745 | 1/4 | 207,369 | 1/4 | 192,175 | 1/4 | 176,948 | 1/4 | 161,722 | 1/4 | 146,496 | 1/4 | 131,269 | 1/4 | 116,043 | 1/4 | 100,813 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 221,563 | 1/2 | 207,053 | 1/2 | 191,857 | 1/2 | 176,631 | 1/2 | 161,405 | 1/2 | 146,179 | 1/2 | 130,952 | 1/2 | 115,726 | 1/2 | 100,496 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 221,381 | 3/4 | 206,737 | 3/4 | 191,540 | 3/4 | 176,314 | 3/4 | 161,088 | 3/4 | 145,861 | 3/4 | 130,635 | 3/4 | 115,409 | 3/4 | 100,179 |
| 2 | | 2 | | 2 | 221,147 | 2 | 206,421 | 2 | 191,223 | 2 | 175,997 | 2 | 160,770 | 2 | 145,544 | 2 | 130,318 | 2 | 115,091 | 2 | 99,861 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 220,913 | 1/4 | 206,105 | 1/4 | 190,906 | 1/4 | 175,679 | 1/4 | 160,453 | 1/4 | 145,227 | 1/4 | 130,001 | 1/4 | 114,774 | 1/4 | 99,544 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 220,680 | 1/2 | 205,789 | 1/2 | 190,589 | 1/2 | 175,362 | 1/2 | 160,136 | 1/2 | 144,910 | 1/2 | 129,683 | 1/2 | 114,457 | 1/2 | 99,227 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 220,446 | 3/4 | 205,473 | 3/4 | 190,271 | 3/4 | 175,045 | 3/4 | 159,819 | 3/4 | 144,592 | 3/4 | 129,366 | 3/4 | 114,140 | 3/4 | 98,909 |
| 3 | | 3 | | 3 | 220,159 | 3 | 205,157 | 3 | 189,954 | 3 | 174,728 | 3 | 159,502 | 3 | 144,275 | 3 | 129,049 | 3 | 113,823 | 3 | 98,592 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 219,873 | 1/4 | 204,841 | 1/4 | 189,637 | 1/4 | 174,411 | 1/4 | 159,184 | 1/4 | 143,958 | 1/4 | 128,732 | 1/4 | 113,505 | 1/4 | 98,275 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 219,586 | 1/2 | 204,525 | 1/2 | 189,320 | 1/2 | 174,093 | 1/2 | 158,867 | 1/2 | 143,641 | 1/2 | 128,414 | 1/2 | 113,188 | 1/2 | 97,957 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 219,300 | 3/4 | 204,209 | 3/4 | 189,003 | 3/4 | 173,776 | 3/4 | 158,550 | 3/4 | 143,324 | 3/4 | 128,097 | 3/4 | 112,871 | 3/4 | 97,640 |
| 4 | | 4 | | 4 | 218,988 | 4 | 203,893 | 4 | 188,685 | 4 | 173,459 | 4 | 158,233 | 4 | 143,006 | 4 | 127,780 | 4 | 112,554 | 4 | 97,323 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 218,677 | 1/4 | 203,577 | 1/4 | 188,368 | 1/4 | 173,142 | 1/4 | 157,915 | 1/4 | 142,689 | 1/4 | 127,463 | 1/4 | 112,237 | 1/4 | 97,005 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 218,365 | 1/2 | 203,261 | 1/2 | 188,051 | 1/2 | 172,825 | 1/2 | 157,598 | 1/2 | 142,372 | 1/2 | 127,146 | 1/2 | 111,919 | 1/2 | 96,688 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 218,053 | 3/4 | 202,945 | 3/4 | 187,734 | 3/4 | 172,507 | 3/4 | 157,281 | 3/4 | 142,055 | 3/4 | 126,828 | 3/4 | 111,602 | 3/4 | 96,371 |
| 5 | | 5 | | 5 | 217,741 | 5 | 202,629 | 5 | 187,416 | 5 | 172,190 | 5 | 156,964 | 5 | 141,738 | 5 | 126,511 | 5 | 111,285 | 5 | 96,053 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 217,428 | 1/4 | 202,313 | 1/4 | 187,099 | 1/4 | 171,873 | 1/4 | 156,647 | 1/4 | 141,420 | 1/4 | 126,194 | 1/4 | 110,968 | 1/4 | 95,736 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 217,116 | 1/2 | 201,997 | 1/2 | 186,782 | 1/2 | 171,556 | 1/2 | 156,329 | 1/2 | 141,103 | 1/2 | 125,877 | 1/2 | 110,650 | 1/2 | 95,419 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 216,803 | 3/4 | 201,681 | 3/4 | 186,465 | 3/4 | 171,238 | 3/4 | 156,012 | 3/4 | 140,786 | 3/4 | 125,560 | 3/4 | 110,333 | 3/4 | 95,101 |
| 6 | | 6 | | 6 | 216,490 | 6 | 201,365 | 6 | 186,148 | 6 | 170,921 | 6 | 155,695 | 6 | 140,469 | 6 | 125,242 | 6 | 110,016 | 6 | 94,784 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 216,177 | 1/4 | 201,049 | 1/4 | 185,830 | 1/4 | 170,604 | 1/4 | 155,378 | 1/4 | 140,151 | 1/4 | 124,925 | 1/4 | 109,699 | 1/4 | 94,467 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 215,864 | 1/2 | 200,733 | 1/2 | 185,513 | 1/2 | 170,287 | 1/2 | 155,061 | 1/2 | 139,834 | 1/2 | 124,608 | 1/2 | 109,381 | 1/2 | 94,149 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 215,551 | 3/4 | 200,417 | 3/4 | 185,196 | 3/4 | 169,970 | 3/4 | 154,743 | 3/4 | 139,517 | 3/4 | 124,291 | 3/4 | 109,064 | 3/4 | 93,832 |
| 7 | | 7 | | 7 | 215,238 | 7 | 200,101 | 7 | 184,879 | 7 | 169,652 | 7 | 154,426 | 7 | 139,200 | 7 | 123,973 | 7 | 108,747 | 7 | 93,515 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 214,925 | 1/4 | 199,785 | 1/4 | 184,562 | 1/4 | 169,335 | 1/4 | 154,109 | 1/4 | 138,883 | 1/4 | 123,656 | 1/4 | 108,429 | 1/4 | 93,197 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 214,612 | 1/2 | 199,469 | 1/2 | 184,244 | 1/2 | 169,018 | 1/2 | 153,792 | 1/2 | 138,565 | 1/2 | 123,339 | 1/2 | 108,112 | 1/2 | 92,880 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 214,298 | 3/4 | 199,153 | 3/4 | 183,927 | 3/4 | 168,701 | 3/4 | 153,474 | 3/4 | 138,248 | 3/4 | 123,022 | 3/4 | 107,795 | 3/4 | 92,563 |
| 8 | | 8 | | 8 | 213,985 | 8 | 198,836 | 8 | 183,610 | 8 | 168,384 | 8 | 153,157 | 8 | 137,931 | 8 | 122,705 | 8 | 107,477 | 8 | 92,245 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 213,672 | 1/4 | 198,519 | 1/4 | 183,293 | 1/4 | 168,066 | 1/4 | 152,840 | 1/4 | 137,614 | 1/4 | 122,387 | 1/4 | 107,160 | 1/4 | 91,928 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 213,359 | 1/2 | 198,202 | 1/2 | 182,975 | 1/2 | 167,749 | 1/2 | 152,523 | 1/2 | 137,297 | 1/2 | 122,070 | 1/2 | 106,843 | 1/2 | 91,611 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 213,046 | 3/4 | 197,885 | 3/4 | 182,658 | 3/4 | 167,432 | 3/4 | 152,206 | 3/4 | 136,979 | 3/4 | 121,753 | 3/4 | 106,525 | 3/4 | 91,293 |
| 9 | | 9 | | 9 | 212,733 | 9 | 197,567 | 9 | 182,341 | 9 | 167,115 | 9 | 151,888 | 9 | 136,662 | 9 | 121,436 | 9 | 106,208 | 9 | 90,976 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 212,420 | 1/4 | 197,250 | 1/4 | 182,024 | 1/4 | 166,797 | 1/4 | 151,571 | 1/4 | 136,345 | 1/4 | 121,119 | 1/4 | 105,891 | 1/4 | 90,659 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 212,107 | 1/2 | 196,933 | 1/2 | 181,707 | 1/2 | 166,480 | 1/2 | 151,254 | 1/2 | 136,028 | 1/2 | 120,801 | 1/2 | 105,573 | 1/2 | 90,341 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 211,794 | 3/4 | 196,616 | 3/4 | 181,389 | 3/4 | 166,163 | 3/4 | 150,937 | 3/4 | 135,710 | 3/4 | 120,484 | 3/4 | 105,256 | 3/4 | 90,024 |
| 10 | | 10 | | 10 | 211,478 | 10 | 196,298 | 10 | 181,072 | 10 | 165,846 | 10 | 150,620 | 10 | 135,393 | 10 | 120,167 | 10 | 104,939 | 10 | 89,707 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 211,162 | 1/4 | 195,981 | 1/4 | 180,755 | 1/4 | 165,529 | 1/4 | 150,302 | 1/4 | 135,076 | 1/4 | 119,850 | 1/4 | 104,621 | 1/4 | 89,389 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 210,846 | 1/2 | 195,664 | 1/2 | 180,438 | 1/2 | 165,211 | 1/2 | 149,985 | 1/2 | 134,759 | 1/2 | 119,532 | 1/2 | 104,304 | 1/2 | 89,072 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 210,529 | 3/4 | 195,347 | 3/4 | 180,121 | 3/4 | 164,894 | 3/4 | 149,668 | 3/4 | 134,442 | 3/4 | 119,215 | 3/4 | 103,987 | 3/4 | 88,755 |
| 11 | | 11 | | 11 | 210,213 | 11 | 195,030 | 11 | 179,803 | 11 | 164,577 | 11 | 149,351 | 11 | 134,124 | 11 | 118,898 | 11 | 103,669 | 11 | 88,437 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 209,897 | 1/4 | 194,712 | 1/4 | 179,486 | 1/4 | 164,260 | 1/4 | 149,033 | 1/4 | 133,807 | 1/4 | 118,581 | 1/4 | 103,352 | 1/4 | 88,120 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 209,581 | 1/2 | 194,395 | 1/2 | 179,169 | 1/2 | 163,943 | 1/2 | 148,716 | 1/2 | 133,490 | 1/2 | 118,264 | 1/2 | 103,035 | 1/2 | 87,803 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 209,265 | 3/4 | 194,078 | 3/4 | 178,852 | 3/4 | 163,625 | 3/4 | 148,399 | 3/4 | 133,173 | 3/4 | 117,946 | 3/4 | 102,717 | 3/4 | 87,485 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 380"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 87,168 | 0 | 71,936 | 0 | 56,704 | 0 | 41,551 | 0 | 26,341 | 0 | 11,110 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 86,851 | 1/4 | 71,619 | 1/4 | 56,387 | 1/4 | 41,236 | 1/4 | 26,024 | 1/4 | 10,793 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 86,533 | 1/2 | 71,301 | 1/2 | 56,070 | 1/2 | 40,920 | 1/2 | 25,707 | 1/2 | 10,475 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 86,216 | 3/4 | 70,984 | 3/4 | 55,752 | 3/4 | 40,605 | 3/4 | 25,389 | 3/4 | 10,158 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 85,899 | 1 | 70,667 | 1 | 55,435 | 1 | 40,290 | 1 | 25,072 | 1 | 9,841 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 85,581 | 1/4 | 70,349 | 1/4 | 55,118 | 1/4 | 39,975 | 1/4 | 24,755 | 1/4 | 9,523 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 85,264 | 1/2 | 70,032 | 1/2 | 54,800 | 1/2 | 39,660 | 1/2 | 24,437 | 1/2 | 9,206 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,947 | 3/4 | 69,715 | 3/4 | 54,483 | 3/4 | 39,345 | 3/4 | 24,120 | 3/4 | 8,889 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 84,629 | 2 | 69,397 | 2 | 54,166 | 2 | 39,029 | 2 | 23,803 | 2 | 8,571 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 84,312 | 1/4 | 69,080 | 1/4 | 53,848 | 1/4 | 38,713 | 1/4 | 23,485 | 1/4 | 8,254 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,995 | 1/2 | 68,763 | 1/2 | 53,531 | 1/2 | 38,398 | 1/2 | 23,168 | 1/2 | 7,937 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 83,677 | 3/4 | 68,445 | 3/4 | 53,214 | 3/4 | 38,082 | 3/4 | 22,851 | 3/4 | 7,619 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 83,360 | 3 | 68,128 | 3 | 52,898 | 3 | 37,765 | 3 | 22,533 | 3 | 7,302 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 83,043 | 1/4 | 67,811 | 1/4 | 52,582 | 1/4 | 37,447 | 1/4 | 22,216 | 1/4 | 6,985 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 82,725 | 1/2 | 67,493 | 1/2 | 52,267 | 1/2 | 37,130 | 1/2 | 21,899 | 1/2 | 6,668 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 82,408 | 3/4 | 67,176 | 3/4 | 51,951 | 3/4 | 36,813 | 3/4 | 21,581 | 3/4 | 6,350 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 82,091 | 4 | 66,859 | 4 | 51,636 | 4 | 36,495 | 4 | 21,264 | 4 | 6,033 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 81,773 | 1/4 | 66,541 | 1/4 | 51,321 | 1/4 | 36,178 | 1/4 | 20,947 | 1/4 | 5,717 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 81,456 | 1/2 | 66,224 | 1/2 | 51,005 | 1/2 | 35,861 | 1/2 | 20,630 | 1/2 | 5,400 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,139 | 3/4 | 65,907 | 3/4 | 50,690 | 3/4 | 35,544 | 3/4 | 20,312 | 3/4 | 5,083 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 80,821 | 5 | 65,589 | 5 | 50,375 | 5 | 35,226 | 5 | 19,995 | 5 | 4,767 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 80,504 | 1/4 | 65,272 | 1/4 | 50,060 | 1/4 | 34,909 | 1/4 | 19,678 | 1/4 | 4,451 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,187 | 1/2 | 64,955 | 1/2 | 49,745 | 1/2 | 34,592 | 1/2 | 19,360 | 1/2 | 4,135 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 79,869 | 3/4 | 64,638 | 3/4 | 49,430 | 3/4 | 34,274 | 3/4 | 19,043 | 3/4 | 3,820 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 79,552 | 6 | 64,320 | 6 | 49,114 | 6 | 33,957 | 6 | 18,726 | 6 | 3,529 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 79,235 | 1/4 | 64,003 | 1/4 | 48,799 | 1/4 | 33,640 | 1/4 | 18,408 | 1/4 | 3,238 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,917 | 1/2 | 63,686 | 1/2 | 48,484 | 1/2 | 33,322 | 1/2 | 18,091 | 1/2 | 2,947 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,600 | 3/4 | 63,368 | 3/4 | 48,169 | 3/4 | 33,005 | 3/4 | 17,774 | 3/4 | 2,656 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 78,283 | 7 | 63,051 | 7 | 47,854 | 7 | 32,688 | 7 | 17,456 | 7 | 2,418 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 77,965 | 1/4 | 62,734 | 1/4 | 47,539 | 1/4 | 32,370 | 1/4 | 17,139 | 1/4 | 2,181 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,648 | 1/2 | 62,416 | 1/2 | 47,224 | 1/2 | 32,053 | 1/2 | 16,822 | 1/2 | 1,943 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 77,331 | 3/4 | 62,099 | 3/4 | 46,908 | 3/4 | 31,736 | 3/4 | 16,504 | 3/4 | 1,705 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 77,013 | 8 | 61,782 | 8 | 46,593 | 8 | 31,418 | 8 | 16,187 | 8 | 1,520 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 76,696 | 1/4 | 61,464 | 1/4 | 46,278 | 1/4 | 31,101 | 1/4 | 15,870 | 1/4 | 1,334 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 76,379 | 1/2 | 61,147 | 1/2 | 45,963 | 1/2 | 30,784 | 1/2 | 15,552 | 1/2 | 1,149 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,061 | 3/4 | 60,830 | 3/4 | 45,648 | 3/4 | 30,466 | 3/4 | 15,235 | 3/4 | 965 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 75,744 | 9 | 60,512 | 9 | 45,333 | 9 | 30,149 | 9 | 14,918 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 75,427 | 1/4 | 60,195 | 1/4 | 45,017 | 1/4 | 29,832 | 1/4 | 14,600 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,109 | 1/2 | 59,878 | 1/2 | 44,702 | 1/2 | 29,514 | 1/2 | 14,283 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,792 | 3/4 | 59,560 | 3/4 | 44,387 | 3/4 | 29,197 | 3/4 | 13,966 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 74,475 | 10 | 59,243 | 10 | 44,072 | 10 | 28,880 | 10 | 13,649 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 74,157 | 1/4 | 58,926 | 1/4 | 43,757 | 1/4 | 28,562 | 1/4 | 13,331 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,840 | 1/2 | 58,608 | 1/2 | 43,442 | 1/2 | 28,245 | 1/2 | 13,014 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,523 | 3/4 | 58,291 | 3/4 | 43,127 | 3/4 | 27,928 | 3/4 | 12,697 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 73,205 | 11 | 57,974 | 11 | 42,811 | 11 | 27,611 | 11 | 12,379 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 72,888 | 1/4 | 57,656 | 1/4 | 42,496 | 1/4 | 27,293 | 1/4 | 12,062 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,571 | 1/2 | 57,339 | 1/2 | 42,181 | 1/2 | 26,976 | 1/2 | 11,745 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,253 | 3/4 | 57,022 | 3/4 | 41,866 | 3/4 | 26,659 | 3/4 | 11,427 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | 207,937 | 0 | 192,804 | 0 | 177,635 | 0 | 162,465 | 0 | 147,295 | 0 | 132,126 | 0 | 116,956 | 0 | 101,783 |
| 1/4 | 1/4 | 1/4 | 221,363 | 1/4 | 207,623 | 1/4 | 192,488 | 1/4 | 177,319 | 1/4 | 162,149 | 1/4 | 146,979 | 1/4 | 131,810 | 1/4 | 116,640 | 1/4 | 101,467 |
| 1/2 | 1/2 | 1/2 | 221,182 | 1/2 | 207,308 | 1/2 | 192,172 | 1/2 | 177,003 | 1/2 | 161,833 | 1/2 | 146,663 | 1/2 | 131,494 | 1/2 | 116,324 | 1/2 | 101,151 |
| 3/4 | 3/4 | 3/4 | 221,000 | 3/4 | 206,993 | 3/4 | 191,856 | 3/4 | 176,687 | 3/4 | 161,517 | 3/4 | 146,347 | 3/4 | 131,177 | 3/4 | 116,008 | 3/4 | 100,835 |
| 1 | | 1 | 221,000 | 1 | 206,678 | 1 | 191,540 | 1 | 176,371 | 1 | 161,201 | 1 | 146,031 | 1 | 130,861 | 1 | 115,692 | 1 | 100,519 |
| 1/4 | 1/4 | 1/4 | 220,819 | 1/4 | 206,363 | 1/4 | 191,224 | 1/4 | 176,055 | 1/4 | 160,885 | 1/4 | 145,715 | 1/4 | 130,545 | 1/4 | 115,376 | 1/4 | 100,202 |
| 1/2 | 1/2 | 1/2 | 220,638 | 1/2 | 206,049 | 1/2 | 190,908 | 1/2 | 175,739 | 1/2 | 160,569 | 1/2 | 145,399 | 1/2 | 130,229 | 1/2 | 115,060 | 1/2 | 99,886 |
| 3/4 | 3/4 | 3/4 | 220,405 | 3/4 | 205,734 | 3/4 | 190,592 | 3/4 | 175,422 | 3/4 | 160,253 | 3/4 | 145,083 | 3/4 | 129,913 | 3/4 | 114,744 | 3/4 | 99,570 |
| 2 | | 2 | 220,172 | 2 | 205,419 | 2 | 190,276 | 2 | 175,106 | 2 | 159,937 | 2 | 144,767 | 2 | 129,597 | 2 | 114,428 | 2 | 99,254 |
| 1/4 | 1/4 | 1/4 | 219,939 | 1/4 | 205,104 | 1/4 | 189,960 | 1/4 | 174,790 | 1/4 | 159,621 | 1/4 | 144,451 | 1/4 | 129,281 | 1/4 | 114,112 | 1/4 | 98,938 |
| 1/2 | 1/2 | 1/2 | 219,706 | 1/2 | 204,789 | 1/2 | 189,644 | 1/2 | 174,474 | 1/2 | 159,305 | 1/2 | 144,135 | 1/2 | 128,965 | 1/2 | 113,796 | 1/2 | 98,622 |
| 3/4 | 3/4 | 3/4 | 219,421 | 3/4 | 204,475 | 3/4 | 189,328 | 3/4 | 174,158 | 3/4 | 158,989 | 3/4 | 143,819 | 3/4 | 128,649 | 3/4 | 113,479 | 3/4 | 98,305 |
| 3 | | 3 | 219,135 | 3 | 204,160 | 3 | 189,012 | 3 | 173,842 | 3 | 158,673 | 3 | 143,503 | 3 | 128,333 | 3 | 113,163 | 3 | 97,989 |
| 1/4 | 1/4 | 1/4 | 218,850 | 1/4 | 203,845 | 1/4 | 188,696 | 1/4 | 173,526 | 1/4 | 158,357 | 1/4 | 143,187 | 1/4 | 128,017 | 1/4 | 112,847 | 1/4 | 97,673 |
| 1/2 | 1/2 | 1/2 | 218,564 | 1/2 | 203,530 | 1/2 | 188,380 | 1/2 | 173,210 | 1/2 | 158,041 | 1/2 | 142,871 | 1/2 | 127,701 | 1/2 | 112,531 | 1/2 | 97,357 |
| 3/4 | 3/4 | 3/4 | 218,254 | 3/4 | 203,215 | 3/4 | 188,064 | 3/4 | 172,894 | 3/4 | 157,724 | 3/4 | 142,555 | 3/4 | 127,385 | 3/4 | 112,215 | 3/4 | 97,041 |
| 4 | | 4 | 217,943 | 4 | 202,900 | 4 | 187,748 | 4 | 172,578 | 4 | 157,408 | 4 | 142,239 | 4 | 127,069 | 4 | 111,899 | 4 | 96,725 |
| 1/4 | 1/4 | 1/4 | 217,633 | 1/4 | 202,586 | 1/4 | 187,432 | 1/4 | 172,262 | 1/4 | 157,092 | 1/4 | 141,923 | 1/4 | 126,753 | 1/4 | 111,583 | 1/4 | 96,409 |
| 1/2 | 1/2 | 1/2 | 217,323 | 1/2 | 202,271 | 1/2 | 187,116 | 1/2 | 171,946 | 1/2 | 156,776 | 1/2 | 141,607 | 1/2 | 126,437 | 1/2 | 111,267 | 1/2 | 96,092 |
| 3/4 | 3/4 | 3/4 | 217,011 | 3/4 | 201,956 | 3/4 | 186,800 | 3/4 | 171,630 | 3/4 | 156,460 | 3/4 | 141,291 | 3/4 | 126,121 | 3/4 | 110,951 | 3/4 | 95,776 |
| 5 | | 5 | 216,700 | 5 | 201,641 | 5 | 186,484 | 5 | 171,314 | 5 | 156,144 | 5 | 140,975 | 5 | 125,805 | 5 | 110,635 | 5 | 95,460 |
| 1/4 | 1/4 | 1/4 | 216,388 | 1/4 | 201,326 | 1/4 | 186,168 | 1/4 | 170,998 | 1/4 | 155,828 | 1/4 | 140,659 | 1/4 | 125,489 | 1/4 | 110,319 | 1/4 | 95,144 |
| 1/2 | 1/2 | 1/2 | 216,077 | 1/2 | 201,012 | 1/2 | 185,852 | 1/2 | 170,682 | 1/2 | 155,512 | 1/2 | 140,343 | 1/2 | 125,173 | 1/2 | 110,003 | 1/2 | 94,828 |
| 3/4 | 3/4 | 3/4 | 215,765 | 3/4 | 200,697 | 3/4 | 185,536 | 3/4 | 170,366 | 3/4 | 155,196 | 3/4 | 140,026 | 3/4 | 124,857 | 3/4 | 109,687 | 3/4 | 94,512 |
| 6 | | 6 | 215,453 | 6 | 200,382 | 6 | 185,220 | 6 | 170,050 | 6 | 154,880 | 6 | 139,710 | 6 | 124,541 | 6 | 109,371 | 6 | 94,195 |
| 1/4 | 1/4 | 1/4 | 215,141 | 1/4 | 200,067 | 1/4 | 184,904 | 1/4 | 169,734 | 1/4 | 154,564 | 1/4 | 139,394 | 1/4 | 124,225 | 1/4 | 109,055 | 1/4 | 93,879 |
| 1/2 | 1/2 | 1/2 | 214,829 | 1/2 | 199,752 | 1/2 | 184,588 | 1/2 | 169,418 | 1/2 | 154,248 | 1/2 | 139,078 | 1/2 | 123,909 | 1/2 | 108,738 | 1/2 | 93,563 |
| 3/4 | 3/4 | 3/4 | 214,517 | 3/4 | 199,438 | 3/4 | 184,271 | 3/4 | 169,102 | 3/4 | 153,932 | 3/4 | 138,762 | 3/4 | 123,593 | 3/4 | 108,422 | 3/4 | 93,247 |
| 7 | | 7 | 214,206 | 7 | 199,123 | 7 | 183,955 | 7 | 168,786 | 7 | 153,616 | 7 | 138,446 | 7 | 123,277 | 7 | 108,106 | 7 | 92,931 |
| 1/4 | 1/4 | 1/4 | 213,894 | 1/4 | 198,808 | 1/4 | 183,639 | 1/4 | 168,470 | 1/4 | 153,300 | 1/4 | 138,130 | 1/4 | 122,961 | 1/4 | 107,790 | 1/4 | 92,615 |
| 1/2 | 1/2 | 1/2 | 213,582 | 1/2 | 198,493 | 1/2 | 183,323 | 1/2 | 168,154 | 1/2 | 152,984 | 1/2 | 137,814 | 1/2 | 122,645 | 1/2 | 107,474 | 1/2 | 92,299 |
| 3/4 | 3/4 | 3/4 | 213,270 | 3/4 | 198,177 | 3/4 | 183,007 | 3/4 | 167,838 | 3/4 | 152,668 | 3/4 | 137,498 | 3/4 | 122,328 | 3/4 | 107,158 | 3/4 | 91,982 |
| 8 | | 8 | 212,958 | 8 | 197,861 | 8 | 182,691 | 8 | 167,522 | 8 | 152,352 | 8 | 137,182 | 8 | 122,012 | 8 | 106,842 | 8 | 91,666 |
| 1/4 | 1/4 | 1/4 | 212,646 | 1/4 | 197,545 | 1/4 | 182,375 | 1/4 | 167,206 | 1/4 | 152,036 | 1/4 | 136,866 | 1/4 | 121,696 | 1/4 | 106,525 | 1/4 | 91,350 |
| 1/2 | 1/2 | 1/2 | 212,334 | 1/2 | 197,229 | 1/2 | 182,059 | 1/2 | 166,890 | 1/2 | 151,720 | 1/2 | 136,550 | 1/2 | 121,380 | 1/2 | 106,209 | 1/2 | 91,034 |
| 3/4 | 3/4 | 3/4 | 212,022 | 3/4 | 196,913 | 3/4 | 181,743 | 3/4 | 166,573 | 3/4 | 151,404 | 3/4 | 136,234 | 3/4 | 121,064 | 3/4 | 105,893 | 3/4 | 90,718 |
| 9 | | 9 | 211,710 | 9 | 196,597 | 9 | 181,427 | 9 | 166,257 | 9 | 151,088 | 9 | 135,918 | 9 | 120,748 | 9 | 105,577 | 9 | 90,402 |
| 1/4 | 1/4 | 1/4 | 211,398 | 1/4 | 196,281 | 1/4 | 181,111 | 1/4 | 165,941 | 1/4 | 150,772 | 1/4 | 135,602 | 1/4 | 120,432 | 1/4 | 105,261 | 1/4 | 90,085 |
| 1/2 | 1/2 | 1/2 | 211,086 | 1/2 | 195,965 | 1/2 | 180,795 | 1/2 | 165,625 | 1/2 | 150,456 | 1/2 | 135,286 | 1/2 | 120,116 | 1/2 | 104,945 | 1/2 | 89,769 |
| 3/4 | 3/4 | 3/4 | 210,772 | 3/4 | 195,649 | 3/4 | 180,479 | 3/4 | 165,309 | 3/4 | 150,140 | 3/4 | 134,970 | 3/4 | 119,800 | 3/4 | 104,628 | 3/4 | 89,453 |
| 10 | | 10 | 210,457 | 10 | 195,333 | 10 | 180,163 | 10 | 164,993 | 10 | 149,824 | 10 | 134,654 | 10 | 119,484 | 10 | 104,312 | 10 | 89,137 |
| 1/4 | 1/4 | 1/4 | 210,142 | 1/4 | 195,017 | 1/4 | 179,847 | 1/4 | 164,677 | 1/4 | 149,508 | 1/4 | 134,338 | 1/4 | 119,168 | 1/4 | 103,996 | 1/4 | 88,821 |
| 1/2 | 1/2 | 1/2 | 209,827 | 1/2 | 194,701 | 1/2 | 179,531 | 1/2 | 164,361 | 1/2 | 149,192 | 1/2 | 134,022 | 1/2 | 118,852 | 1/2 | 103,680 | 1/2 | 88,505 |
| 3/4 | 3/4 | 3/4 | 209,512 | 3/4 | 194,385 | 3/4 | 179,215 | 3/4 | 164,045 | 3/4 | 148,875 | 3/4 | 133,706 | 3/4 | 118,536 | 3/4 | 103,364 | 3/4 | 88,189 |
| 11 | | 11 | 209,197 | 11 | 194,069 | 11 | 178,899 | 11 | 163,729 | 11 | 148,559 | 11 | 133,390 | 11 | 118,220 | 11 | 103,048 | 11 | 87,872 |
| 1/4 | 1/4 | 1/4 | 208,882 | 1/4 | 193,753 | 1/4 | 178,583 | 1/4 | 163,413 | 1/4 | 148,243 | 1/4 | 133,074 | 1/4 | 117,904 | 1/4 | 102,732 | 1/4 | 87,556 |
| 1/2 | 1/2 | 1/2 | 208,567 | 1/2 | 193,437 | 1/2 | 178,267 | 1/2 | 163,097 | 1/2 | 147,927 | 1/2 | 132,758 | 1/2 | 117,588 | 1/2 | 102,415 | 1/2 | 87,240 |
| 3/4 | 3/4 | 3/4 | 208,252 | 3/4 | 193,120 | 3/4 | 177,951 | 3/4 | 162,781 | 3/4 | 147,611 | 3/4 | 132,442 | 3/4 | 117,272 | 3/4 | 102,099 | 3/4 | 86,924 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|--------|-----|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 86,608 | 0 | 71,433 | 0 | 56,257 | 0 | 41,099 | 0 | 25,928 | 0 | 10,753 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 86,292 | 1/4 | 71,116 | 1/4 | 55,941 | 1/4 | 40,784 | 1/4 | 25,612 | 1/4 | 10,437 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 85,976 | 1/2 | 70,800 | 1/2 | 55,625 | 1/2 | 40,468 | 1/2 | 25,295 | 1/2 | 10,121 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 85,659 | 3/4 | 70,484 | 3/4 | 55,309 | 3/4 | 40,153 | 3/4 | 24,979 | 3/4 | 9,805 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 85,343 | 1 | 70,168 | 1 | 54,993 | 1 | 39,837 | 1 | 24,663 | 1 | 9,488 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 85,027 | 1/4 | 69,852 | 1/4 | 54,676 | 1/4 | 39,521 | 1/4 | 24,347 | 1/4 | 9,172 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 84,711 | 1/2 | 69,536 | 1/2 | 54,360 | 1/2 | 39,206 | 1/2 | 24,031 | 1/2 | 8,856 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,395 | 3/4 | 69,219 | 3/4 | 54,044 | 3/4 | 38,889 | 3/4 | 23,715 | 3/4 | 8,540 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 84,079 | 2 | 68,903 | 2 | 53,728 | 2 | 38,573 | 2 | 23,399 | 2 | 8,224 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 83,762 | 1/4 | 68,587 | 1/4 | 53,412 | 1/4 | 38,257 | 1/4 | 23,082 | 1/4 | 7,908 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,446 | 1/2 | 68,271 | 1/2 | 53,096 | 1/2 | 37,941 | 1/2 | 22,766 | 1/2 | 7,592 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 83,130 | 3/4 | 67,955 | 3/4 | 52,780 | 3/4 | 37,625 | 3/4 | 22,450 | 3/4 | 7,276 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 82,814 | 3 | 67,639 | 3 | 52,463 | 3 | 37,309 | 3 | 22,134 | 3 | 6,959 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 82,498 | 1/4 | 67,323 | 1/4 | 52,147 | 1/4 | 36,993 | 1/4 | 21,818 | 1/4 | 6,643 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 82,182 | 1/2 | 67,006 | 1/2 | 51,831 | 1/2 | 36,676 | 1/2 | 21,502 | 1/2 | 6,327 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,866 | 3/4 | 66,690 | 3/4 | 51,515 | 3/4 | 36,360 | 3/4 | 21,186 | 3/4 | 6,012 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 81,549 | 4 | 66,374 | 4 | 51,200 | 4 | 36,044 | 4 | 20,870 | 4 | 5,696 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 81,233 | 1/4 | 66,058 | 1/4 | 50,884 | 1/4 | 35,728 | 1/4 | 20,553 | 1/4 | 5,380 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,917 | 1/2 | 65,742 | 1/2 | 50,569 | 1/2 | 35,412 | 1/2 | 20,237 | 1/2 | 5,064 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 80,601 | 3/4 | 65,426 | 3/4 | 50,253 | 3/4 | 35,096 | 3/4 | 19,921 | 3/4 | 4,750 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 80,285 | 5 | 65,109 | 5 | 49,937 | 5 | 34,780 | 5 | 19,605 | 5 | 4,435 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 79,969 | 1/4 | 64,793 | 1/4 | 49,622 | 1/4 | 34,464 | 1/4 | 19,289 | 1/4 | 4,121 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 79,652 | 1/2 | 64,477 | 1/2 | 49,306 | 1/2 | 34,147 | 1/2 | 18,973 | 1/2 | 3,806 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 79,336 | 3/4 | 64,161 | 3/4 | 48,990 | 3/4 | 33,831 | 3/4 | 18,657 | 3/4 | 3,516 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 79,020 | 6 | 63,845 | 6 | 48,675 | 6 | 33,515 | 6 | 18,340 | 6 | 3,226 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 78,704 | 1/4 | 63,529 | 1/4 | 48,359 | 1/4 | 33,199 | 1/4 | 18,024 | 1/4 | 2,937 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,388 | 1/2 | 63,213 | 1/2 | 48,043 | 1/2 | 32,883 | 1/2 | 17,708 | 1/2 | 2,647 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,072 | 3/4 | 62,896 | 3/4 | 47,728 | 3/4 | 32,567 | 3/4 | 17,392 | 3/4 | 2,410 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 77,756 | 7 | 62,580 | 7 | 47,412 | 7 | 32,251 | 7 | 17,076 | 7 | 2,173 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 77,439 | 1/4 | 62,264 | 1/4 | 47,097 | 1/4 | 31,934 | 1/4 | 16,760 | 1/4 | 1,936 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,123 | 1/2 | 61,948 | 1/2 | 46,781 | 1/2 | 31,618 | 1/2 | 16,444 | 1/2 | 1,699 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,807 | 3/4 | 61,632 | 3/4 | 46,465 | 3/4 | 31,302 | 3/4 | 16,127 | 3/4 | 1,514 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 76,491 | 8 | 61,316 | 8 | 46,150 | 8 | 30,986 | 8 | 15,811 | 8 | 1,330 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 76,175 | 1/4 | 60,999 | 1/4 | 45,834 | 1/4 | 30,670 | 1/4 | 15,495 | 1/4 | 1,146 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,859 | 1/2 | 60,683 | 1/2 | 45,518 | 1/2 | 30,354 | 1/2 | 15,179 | 1/2 | 961 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,542 | 3/4 | 60,367 | 3/4 | 45,203 | 3/4 | 30,038 | 3/4 | 14,863 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 75,226 | 9 | 60,051 | 9 | 44,887 | 9 | 29,721 | 9 | 14,547 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 74,910 | 1/4 | 59,735 | 1/4 | 44,571 | 1/4 | 29,405 | 1/4 | 14,231 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,594 | 1/2 | 59,419 | 1/2 | 44,256 | 1/2 | 29,089 | 1/2 | 13,914 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,278 | 3/4 | 59,103 | 3/4 | 43,940 | 3/4 | 28,773 | 3/4 | 13,598 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 73,962 | 10 | 58,786 | 10 | 43,625 | 10 | 28,457 | 10 | 13,282 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 73,646 | 1/4 | 58,470 | 1/4 | 43,309 | 1/4 | 28,141 | 1/4 | 12,966 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,329 | 1/2 | 58,154 | 1/2 | 42,993 | 1/2 | 27,825 | 1/2 | 12,650 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,013 | 3/4 | 57,838 | 3/4 | 42,678 | 3/4 | 27,508 | 3/4 | 12,334 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 72,697 | 11 | 57,522 | 11 | 42,362 | 11 | 27,192 | 11 | 12,018 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 72,381 | 1/4 | 57,206 | 1/4 | 42,046 | 1/4 | 26,876 | 1/4 | 11,701 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,065 | 1/2 | 56,890 | 1/2 | 41,731 | 1/2 | 26,560 | 1/2 | 11,385 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,749 | 3/4 | 56,573 | 3/4 | 41,415 | 3/4 | 26,244 | 3/4 | 11,069 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|---------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | | |
| 0 | | 0 | | 0 | 207,900 | 0 | 192,769 | 0 | 177,600 | 0 | 162,430 | 0 | 147,260 | 0 | 132,090 | 0 | 116,921 | 0 | 101,748 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 207,585 | 1/4 | 192,453 | 1/4 | 177,284 | 1/4 | 162,114 | 1/4 | 146,944 | 1/4 | 131,774 | 1/4 | 116,605 | 1/4 | 101,432 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 207,270 | 1/2 | 192,137 | 1/2 | 176,968 | 1/2 | 161,798 | 1/2 | 146,628 | 1/2 | 131,458 | 1/2 | 116,289 | 1/2 | 101,116 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 206,956 | 3/4 | 191,821 | 3/4 | 176,652 | 3/4 | 161,482 | 3/4 | 146,312 | 3/4 | 131,142 | 3/4 | 115,973 | 3/4 | 100,800 | | |
| 1 | | 1 | | 1 | 220,696 | 1 | 206,641 | 1 | 191,505 | 1 | 176,335 | 1 | 161,166 | 1 | 145,996 | 1 | 130,826 | 1 | 115,657 | 1 | 100,484 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 220,515 | 1/4 | 206,326 | 1/4 | 191,189 | 1/4 | 176,019 | 1/4 | 160,850 | 1/4 | 145,680 | 1/4 | 130,510 | 1/4 | 115,341 | 1/4 | 100,167 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 220,333 | 1/2 | 206,011 | 1/2 | 190,873 | 1/2 | 175,703 | 1/2 | 160,534 | 1/2 | 145,364 | 1/2 | 130,194 | 1/2 | 115,025 | 1/2 | 99,851 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 220,152 | 3/4 | 205,696 | 3/4 | 190,557 | 3/4 | 175,387 | 3/4 | 160,218 | 3/4 | 145,048 | 3/4 | 129,878 | 3/4 | 114,709 | 3/4 | 99,535 |
| 2 | | 2 | | 2 | 219,971 | 2 | 205,381 | 2 | 190,241 | 2 | 175,071 | 2 | 159,902 | 2 | 144,732 | 2 | 129,562 | 2 | 114,392 | 2 | 99,219 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 219,738 | 1/4 | 205,067 | 1/4 | 189,925 | 1/4 | 174,755 | 1/4 | 159,586 | 1/4 | 144,416 | 1/4 | 129,246 | 1/4 | 114,076 | 1/4 | 98,903 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 219,505 | 1/2 | 204,752 | 1/2 | 189,609 | 1/2 | 174,439 | 1/2 | 159,270 | 1/2 | 144,100 | 1/2 | 128,930 | 1/2 | 113,760 | 1/2 | 98,587 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 219,272 | 3/4 | 204,437 | 3/4 | 189,293 | 3/4 | 174,123 | 3/4 | 158,954 | 3/4 | 143,784 | 3/4 | 128,614 | 3/4 | 113,444 | 3/4 | 98,271 |
| 3 | | 3 | | 3 | 219,039 | 3 | 204,122 | 3 | 188,977 | 3 | 173,807 | 3 | 158,637 | 3 | 143,468 | 3 | 128,298 | 3 | 113,128 | 3 | 97,954 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 218,754 | 1/4 | 203,807 | 1/4 | 188,661 | 1/4 | 173,491 | 1/4 | 158,321 | 1/4 | 143,152 | 1/4 | 127,982 | 1/4 | 112,812 | 1/4 | 97,638 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 218,468 | 1/2 | 203,493 | 1/2 | 188,345 | 1/2 | 173,175 | 1/2 | 158,005 | 1/2 | 142,836 | 1/2 | 127,666 | 1/2 | 112,496 | 1/2 | 97,322 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 218,183 | 3/4 | 203,178 | 3/4 | 188,029 | 3/4 | 172,859 | 3/4 | 157,689 | 3/4 | 142,520 | 3/4 | 127,350 | 3/4 | 112,180 | 3/4 | 97,006 |
| 4 | | 4 | | 4 | 217,897 | 4 | 202,863 | 4 | 187,713 | 4 | 172,543 | 4 | 157,373 | 4 | 142,204 | 4 | 127,034 | 4 | 111,864 | 4 | 96,690 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 217,587 | 1/4 | 202,548 | 1/4 | 187,397 | 1/4 | 172,227 | 1/4 | 157,057 | 1/4 | 141,888 | 1/4 | 126,718 | 1/4 | 111,548 | 1/4 | 96,374 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 217,276 | 1/2 | 202,233 | 1/2 | 187,081 | 1/2 | 171,911 | 1/2 | 156,741 | 1/2 | 141,572 | 1/2 | 126,402 | 1/2 | 111,232 | 1/2 | 96,057 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 216,966 | 3/4 | 201,919 | 3/4 | 186,765 | 3/4 | 171,595 | 3/4 | 156,425 | 3/4 | 141,256 | 3/4 | 126,086 | 3/4 | 110,916 | 3/4 | 95,741 |
| 5 | | 5 | | 5 | 216,656 | 5 | 201,604 | 5 | 186,449 | 5 | 171,279 | 5 | 156,109 | 5 | 140,939 | 5 | 125,770 | 5 | 110,600 | 5 | 95,425 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 216,344 | 1/4 | 201,289 | 1/4 | 186,133 | 1/4 | 170,963 | 1/4 | 155,793 | 1/4 | 140,623 | 1/4 | 125,454 | 1/4 | 110,284 | 1/4 | 95,109 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 216,033 | 1/2 | 200,974 | 1/2 | 185,817 | 1/2 | 170,647 | 1/2 | 155,477 | 1/2 | 140,307 | 1/2 | 125,138 | 1/2 | 109,968 | 1/2 | 94,793 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 215,721 | 3/4 | 200,659 | 3/4 | 185,501 | 3/4 | 170,331 | 3/4 | 155,161 | 3/4 | 139,991 | 3/4 | 124,822 | 3/4 | 109,652 | 3/4 | 94,477 |
| 6 | | 6 | | 6 | 215,410 | 6 | 200,344 | 6 | 185,184 | 6 | 170,015 | 6 | 154,845 | 6 | 139,675 | 6 | 124,506 | 6 | 109,336 | 6 | 94,161 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 215,098 | 1/4 | 200,030 | 1/4 | 184,868 | 1/4 | 169,699 | 1/4 | 154,529 | 1/4 | 139,359 | 1/4 | 124,190 | 1/4 | 109,020 | 1/4 | 93,844 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 214,786 | 1/2 | 199,715 | 1/2 | 184,552 | 1/2 | 169,383 | 1/2 | 154,213 | 1/2 | 139,043 | 1/2 | 123,874 | 1/2 | 108,704 | 1/2 | 93,528 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 214,474 | 3/4 | 199,400 | 3/4 | 184,236 | 3/4 | 169,067 | 3/4 | 153,897 | 3/4 | 138,727 | 3/4 | 123,558 | 3/4 | 108,387 | 3/4 | 93,212 |
| 7 | | 7 | | 7 | 214,162 | 7 | 199,085 | 7 | 183,920 | 7 | 168,751 | 7 | 153,581 | 7 | 138,411 | 7 | 123,241 | 7 | 108,071 | 7 | 92,896 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 213,850 | 1/4 | 198,770 | 1/4 | 183,604 | 1/4 | 168,435 | 1/4 | 153,265 | 1/4 | 138,095 | 1/4 | 122,925 | 1/4 | 107,755 | 1/4 | 92,580 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 213,538 | 1/2 | 198,456 | 1/2 | 183,288 | 1/2 | 168,119 | 1/2 | 152,949 | 1/2 | 137,779 | 1/2 | 122,609 | 1/2 | 107,439 | 1/2 | 92,264 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 213,227 | 3/4 | 198,141 | 3/4 | 182,972 | 3/4 | 167,803 | 3/4 | 152,633 | 3/4 | 137,463 | 3/4 | 122,293 | 3/4 | 107,123 | 3/4 | 91,948 |
| 8 | | 8 | | 8 | 212,915 | 8 | 197,826 | 8 | 182,656 | 8 | 167,486 | 8 | 152,317 | 8 | 137,147 | 8 | 121,977 | 8 | 106,807 | 8 | 91,631 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 212,603 | 1/4 | 197,510 | 1/4 | 182,340 | 1/4 | 167,170 | 1/4 | 152,001 | 1/4 | 136,831 | 1/4 | 121,661 | 1/4 | 106,491 | 1/4 | 91,315 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 212,291 | 1/2 | 197,194 | 1/2 | 182,024 | 1/2 | 166,854 | 1/2 | 151,685 | 1/2 | 136,515 | 1/2 | 121,345 | 1/2 | 106,174 | 1/2 | 90,999 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 211,979 | 3/4 | 196,878 | 3/4 | 181,708 | 3/4 | 166,538 | 3/4 | 151,369 | 3/4 | 136,199 | 3/4 | 121,029 | 3/4 | 105,858 | 3/4 | 90,683 |
| 9 | | 9 | | 9 | 211,667 | 9 | 196,562 | 9 | 181,392 | 9 | 166,222 | 9 | 151,053 | 9 | 135,883 | 9 | 120,713 | 9 | 105,542 | 9 | 90,367 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 211,355 | 1/4 | 196,246 | 1/4 | 181,076 | 1/4 | 165,906 | 1/4 | 150,737 | 1/4 | 135,567 | 1/4 | 120,397 | 1/4 | 105,226 | 1/4 | 90,051 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 211,043 | 1/2 | 195,930 | 1/2 | 180,760 | 1/2 | 165,590 | 1/2 | 150,421 | 1/2 | 135,251 | 1/2 | 120,081 | 1/2 | 104,910 | 1/2 | 89,734 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 210,731 | 3/4 | 195,614 | 3/4 | 180,444 | 3/4 | 165,274 | 3/4 | 150,105 | 3/4 | 134,935 | 3/4 | 119,765 | 3/4 | 104,594 | 3/4 | 89,418 |
| 10 | | 10 | | 10 | 210,419 | 10 | 195,298 | 10 | 180,128 | 10 | 164,958 | 10 | 149,788 | 10 | 134,619 | 10 | 119,449 | 10 | 104,277 | 10 | 89,102 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 210,104 | 1/4 | 194,982 | 1/4 | 179,812 | 1/4 | 164,642 | 1/4 | 149,472 | 1/4 | 134,303 | 1/4 | 119,133 | 1/4 | 103,961 | 1/4 | 88,786 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 209,790 | 1/2 | 194,666 | 1/2 | 179,496 | 1/2 | 164,326 | 1/2 | 149,156 | 1/2 | 133,987 | 1/2 | 118,817 | 1/2 | 103,645 | 1/2 | 88,470 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 209,475 | 3/4 | 194,350 | 3/4 | 179,180 | 3/4 | 164,010 | 3/4 | 148,840 | 3/4 | 133,671 | 3/4 | 118,501 | 3/4 | 103,329 | 3/4 | 88,154 |
| 11 | | 11 | | 11 | 209,160 | 11 | 194,033 | 11 | 178,864 | 11 | 163,694 | 11 | 148,524 | 11 | 133,355 | 11 | 118,185 | 11 | 103,013 | 11 | 87,838 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 208,845 | 1/4 | 193,717 | 1/4 | 178,548 | 1/4 | 163,378 | 1/4 | 148,208 | 1/4 | 133,039 | 1/4 | 117,869 | 1/4 | 102,697 | 1/4 | 87,521 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 208,530 | 1/2 | 193,401 | 1/2 | 178,232 | 1/2 | 163,062 | 1/2 | 147,892 | 1/2 | 132,723 | 1/2 | 117,553 | 1/2 | 102,381 | 1/2 | 87,205 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 208,215 | 3/4 | 193,085 | 3/4 | 177,916 | 3/4 | 162,746 | 3/4 | 147,576 | 3/4 | 132,407 | 3/4 | 117,237 | 3/4 | 102,064 | 3/4 | 86,889 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 86,573 | 0 | 71,398 | 0 | 56,222 | 0 | 41,564 | 0 | 26,560 | 0 | 11,385 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 86,257 | 1/4 | 71,081 | 1/4 | 55,906 | 1/4 | 41,262 | 1/4 | 26,244 | 1/4 | 11,069 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 85,941 | 1/2 | 70,765 | 1/2 | 55,590 | 1/2 | 40,960 | 1/2 | 25,928 | 1/2 | 10,753 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 85,624 | 3/4 | 70,449 | 3/4 | 55,274 | 3/4 | 40,659 | 3/4 | 25,611 | 3/4 | 10,437 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 85,308 | 1 | 70,133 | 1 | 54,958 | 1 | 40,357 | 1 | 25,295 | 1 | 10,121 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 84,992 | 1/4 | 69,817 | 1/4 | 54,642 | 1/4 | 40,055 | 1/4 | 24,979 | 1/4 | 9,804 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 84,676 | 1/2 | 69,501 | 1/2 | 54,325 | 1/2 | 39,753 | 1/2 | 24,663 | 1/2 | 9,488 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,360 | 3/4 | 69,185 | 3/4 | 54,009 | 3/4 | 39,452 | 3/4 | 24,347 | 3/4 | 9,172 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 84,044 | 2 | 68,868 | 2 | 53,693 | 2 | 39,150 | 2 | 24,031 | 2 | 8,856 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 83,728 | 1/4 | 68,552 | 1/4 | 53,377 | 1/4 | 38,848 | 1/4 | 23,715 | 1/4 | 8,540 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,411 | 1/2 | 68,236 | 1/2 | 53,061 | 1/2 | 38,545 | 1/2 | 23,398 | 1/2 | 8,224 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 83,095 | 3/4 | 67,920 | 3/4 | 52,745 | 3/4 | 38,243 | 3/4 | 23,082 | 3/4 | 7,908 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 82,779 | 3 | 67,604 | 3 | 52,428 | 3 | 37,941 | 3 | 22,766 | 3 | 7,591 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 82,463 | 1/4 | 67,288 | 1/4 | 52,126 | 1/4 | 37,625 | 1/4 | 22,450 | 1/4 | 7,275 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 82,147 | 1/2 | 66,971 | 1/2 | 51,824 | 1/2 | 37,309 | 1/2 | 22,134 | 1/2 | 6,959 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,831 | 3/4 | 66,655 | 3/4 | 51,522 | 3/4 | 36,992 | 3/4 | 21,818 | 3/4 | 6,643 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 81,514 | 4 | 66,339 | 4 | 51,219 | 4 | 36,676 | 4 | 21,502 | 4 | 6,327 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 81,198 | 1/4 | 66,023 | 1/4 | 50,918 | 1/4 | 36,360 | 1/4 | 21,185 | 1/4 | 6,011 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,882 | 1/2 | 65,707 | 1/2 | 50,616 | 1/2 | 36,044 | 1/2 | 20,869 | 1/2 | 5,696 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 80,566 | 3/4 | 65,391 | 3/4 | 50,314 | 3/4 | 35,728 | 3/4 | 20,553 | 3/4 | 5,380 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 80,250 | 5 | 65,075 | 5 | 50,012 | 5 | 35,412 | 5 | 20,237 | 5 | 5,064 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 79,934 | 1/4 | 64,758 | 1/4 | 49,711 | 1/4 | 35,096 | 1/4 | 19,921 | 1/4 | 4,750 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 79,618 | 1/2 | 64,442 | 1/2 | 49,409 | 1/2 | 34,779 | 1/2 | 19,605 | 1/2 | 4,435 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 79,301 | 3/4 | 64,126 | 3/4 | 49,107 | 3/4 | 34,463 | 3/4 | 19,289 | 3/4 | 4,120 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 78,985 | 6 | 63,810 | 6 | 48,806 | 6 | 34,147 | 6 | 18,972 | 6 | 3,806 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 78,669 | 1/4 | 63,494 | 1/4 | 48,504 | 1/4 | 33,831 | 1/4 | 18,656 | 1/4 | 3,516 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,353 | 1/2 | 63,178 | 1/2 | 48,202 | 1/2 | 33,515 | 1/2 | 18,340 | 1/2 | 3,226 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,037 | 3/4 | 62,862 | 3/4 | 47,900 | 3/4 | 33,199 | 3/4 | 18,024 | 3/4 | 2,937 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 77,721 | 7 | 62,545 | 7 | 47,599 | 7 | 32,883 | 7 | 17,708 | 7 | 2,647 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 77,405 | 1/4 | 62,229 | 1/4 | 47,297 | 1/4 | 32,567 | 1/4 | 17,392 | 1/4 | 2,410 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,088 | 1/2 | 61,913 | 1/2 | 46,995 | 1/2 | 32,250 | 1/2 | 17,076 | 1/2 | 2,173 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,772 | 3/4 | 61,597 | 3/4 | 46,693 | 3/4 | 31,934 | 3/4 | 16,760 | 3/4 | 1,936 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 76,456 | 8 | 61,281 | 8 | 46,392 | 8 | 31,618 | 8 | 16,443 | 8 | 1,699 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 76,140 | 1/4 | 60,965 | 1/4 | 46,090 | 1/4 | 31,302 | 1/4 | 16,127 | 1/4 | 1,514 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,824 | 1/2 | 60,648 | 1/2 | 45,788 | 1/2 | 30,986 | 1/2 | 15,811 | 1/2 | 1,330 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,508 | 3/4 | 60,332 | 3/4 | 45,486 | 3/4 | 30,670 | 3/4 | 15,495 | 3/4 | 1,146 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 75,191 | 9 | 60,016 | 9 | 45,185 | 9 | 30,354 | 9 | 15,179 | 9 | 961 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 74,875 | 1/4 | 59,700 | 1/4 | 44,883 | 1/4 | 30,037 | 1/4 | 14,863 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,559 | 1/2 | 59,384 | 1/2 | 44,581 | 1/2 | 29,721 | 1/2 | 14,547 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,243 | 3/4 | 59,068 | 3/4 | 44,279 | 3/4 | 29,405 | 3/4 | 14,230 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 73,927 | 10 | 58,752 | 10 | 43,978 | 10 | 29,089 | 10 | 13,914 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 73,611 | 1/4 | 58,435 | 1/4 | 43,676 | 1/4 | 28,773 | 1/4 | 13,598 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,295 | 1/2 | 58,119 | 1/2 | 43,374 | 1/2 | 28,457 | 1/2 | 13,282 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,978 | 3/4 | 57,803 | 3/4 | 43,072 | 3/4 | 28,141 | 3/4 | 12,966 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 72,662 | 11 | 57,487 | 11 | 42,771 | 11 | 27,824 | 11 | 12,650 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 72,346 | 1/4 | 57,171 | 1/4 | 42,469 | 1/4 | 27,508 | 1/4 | 12,334 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,030 | 1/2 | 56,855 | 1/2 | 42,167 | 1/2 | 27,192 | 1/2 | 12,017 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,714 | 3/4 | 56,538 | 3/4 | 41,866 | 3/4 | 26,876 | 3/4 | 11,701 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|----|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | 179,327 | 0 | 171,220 | 0 | 163,095 | 0 | 154,969 | 0 | 146,556 | 0 | 131,530 | 0 | 116,451 | 0 | 101,346 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 179,159 | 1/4 | 171,051 | 1/4 | 162,926 | 1/4 | 154,800 | 1/4 | 146,243 | 1/4 | 131,216 | 1/4 | 116,136 | 1/4 | 101,031 | | |
| 1/2 | 1/2 | 1/2 | 186,078 | 1/2 | 178,990 | 1/2 | 170,882 | 1/2 | 162,756 | 1/2 | 154,631 | 1/2 | 145,929 | 1/2 | 130,902 | 1/2 | 115,821 | 1/2 | 100,716 | | |
| 3/4 | 3/4 | 3/4 | 186,041 | 3/4 | 178,821 | 3/4 | 170,712 | 3/4 | 162,587 | 3/4 | 154,462 | 3/4 | 145,616 | 3/4 | 130,588 | 3/4 | 115,507 | 3/4 | 100,402 | | |
| 1 | | 1 | 186,005 | 1 | 178,653 | 1 | 170,543 | 1 | 162,418 | 1 | 154,292 | 1 | 145,303 | 1 | 130,273 | 1 | 115,192 | 1 | 100,087 | | |
| 1/4 | 1/4 | 1/4 | 185,968 | 1/4 | 178,484 | 1/4 | 170,374 | 1/4 | 162,248 | 1/4 | 154,123 | 1/4 | 144,989 | 1/4 | 129,959 | 1/4 | 114,877 | 1/4 | 99,772 | | |
| 1/2 | 1/2 | 1/2 | 185,932 | 1/2 | 178,315 | 1/2 | 170,205 | 1/2 | 162,079 | 1/2 | 153,954 | 1/2 | 144,676 | 1/2 | 129,645 | 1/2 | 114,563 | 1/2 | 99,457 | | |
| 3/4 | 3/4 | 3/4 | 185,844 | 3/4 | 178,147 | 3/4 | 170,035 | 3/4 | 161,910 | 3/4 | 153,785 | 3/4 | 144,363 | 3/4 | 129,331 | 3/4 | 114,248 | 3/4 | 99,143 | | |
| 2 | | 2 | 185,755 | 2 | 177,978 | 2 | 169,866 | 2 | 161,741 | 2 | 153,615 | 2 | 144,049 | 2 | 129,017 | 2 | 113,933 | 2 | 98,828 | | |
| 1/4 | 1/4 | 1/4 | 185,667 | 1/4 | 177,809 | 1/4 | 169,697 | 1/4 | 161,571 | 1/4 | 153,446 | 1/4 | 143,736 | 1/4 | 128,703 | 1/4 | 113,619 | 1/4 | 98,513 | | |
| 1/2 | 1/2 | 1/2 | 185,578 | 1/2 | 177,641 | 1/2 | 169,527 | 1/2 | 161,402 | 1/2 | 153,277 | 1/2 | 143,423 | 1/2 | 128,389 | 1/2 | 113,304 | 1/2 | 98,199 | | |
| 3/4 | 3/4 | 3/4 | 185,438 | 3/4 | 177,472 | 3/4 | 169,358 | 3/4 | 161,233 | 3/4 | 153,107 | 3/4 | 143,109 | 3/4 | 128,075 | 3/4 | 112,989 | 3/4 | 97,884 | | |
| 3 | | 3 | 185,297 | 3 | 177,303 | 3 | 169,189 | 3 | 161,064 | 3 | 152,938 | 3 | 142,796 | 3 | 127,760 | 3 | 112,675 | 3 | 97,569 | | |
| 1/4 | 1/4 | 1/4 | 185,156 | 1/4 | 177,135 | 1/4 | 169,020 | 1/4 | 160,894 | 1/4 | 152,769 | 1/4 | 142,483 | 1/4 | 127,446 | 1/4 | 112,360 | 1/4 | 97,254 | | |
| 1/2 | 1/2 | 1/2 | 185,015 | 1/2 | 176,966 | 1/2 | 168,850 | 1/2 | 160,725 | 1/2 | 152,600 | 1/2 | 142,169 | 1/2 | 127,132 | 1/2 | 112,046 | 1/2 | 96,940 | | |
| 3/4 | 3/4 | 3/4 | 184,850 | 3/4 | 176,797 | 3/4 | 168,681 | 3/4 | 160,556 | 3/4 | 152,430 | 3/4 | 141,856 | 3/4 | 126,818 | 3/4 | 111,731 | 3/4 | 96,625 | | |
| 4 | | 4 | 184,684 | 4 | 176,629 | 4 | 168,512 | 4 | 160,386 | 4 | 152,261 | 4 | 141,543 | 4 | 126,504 | 4 | 111,416 | 4 | 96,310 | | |
| 1/4 | 1/4 | 1/4 | 184,519 | 1/4 | 176,460 | 1/4 | 168,342 | 1/4 | 160,217 | 1/4 | 152,092 | 1/4 | 141,229 | 1/4 | 126,190 | 1/4 | 111,102 | 1/4 | 95,996 | | |
| 1/2 | 1/2 | 1/2 | 184,353 | 1/2 | 176,291 | 1/2 | 168,173 | 1/2 | 160,048 | 1/2 | 151,922 | 1/2 | 140,916 | 1/2 | 125,876 | 1/2 | 110,787 | 1/2 | 95,681 | | |
| 3/4 | 3/4 | 3/4 | 184,186 | 3/4 | 176,123 | 3/4 | 168,004 | 3/4 | 159,879 | 3/4 | 151,753 | 3/4 | 140,603 | 3/4 | 125,562 | 3/4 | 110,472 | 3/4 | 95,366 | | |
| 5 | | 5 | 184,020 | 5 | 175,954 | 5 | 167,835 | 5 | 159,709 | 5 | 151,584 | 5 | 140,289 | 5 | 125,247 | 5 | 110,158 | 5 | 95,051 | | |
| 1/4 | 1/4 | 1/4 | 183,853 | 1/4 | 175,785 | 1/4 | 167,665 | 1/4 | 159,540 | 1/4 | 151,415 | 1/4 | 139,976 | 1/4 | 124,933 | 1/4 | 109,843 | 1/4 | 94,737 | | |
| 1/2 | 1/2 | 1/2 | 183,687 | 1/2 | 175,617 | 1/2 | 167,496 | 1/2 | 159,371 | 1/2 | 151,245 | 1/2 | 139,663 | 1/2 | 124,619 | 1/2 | 109,528 | 1/2 | 94,422 | | |
| 3/4 | 3/4 | 3/4 | 183,520 | 3/4 | 175,448 | 3/4 | 167,327 | 3/4 | 159,201 | 3/4 | 151,076 | 3/4 | 139,350 | 3/4 | 124,305 | 3/4 | 109,214 | 3/4 | 94,107 | | |
| 6 | | 6 | 183,353 | 6 | 175,279 | 6 | 167,158 | 6 | 159,032 | 6 | 150,907 | 6 | 139,037 | 6 | 123,991 | 6 | 108,899 | 6 | 93,792 | | |
| 1/4 | 1/4 | 1/4 | 183,186 | 1/4 | 175,111 | 1/4 | 166,988 | 1/4 | 158,863 | 1/4 | 150,738 | 1/4 | 138,724 | 1/4 | 123,677 | 1/4 | 108,584 | 1/4 | 93,478 | | |
| 1/2 | 1/2 | 1/2 | 183,019 | 1/2 | 174,942 | 1/2 | 166,819 | 1/2 | 158,694 | 1/2 | 150,568 | 1/2 | 138,412 | 1/2 | 123,363 | 1/2 | 108,269 | 1/2 | 93,163 | | |
| 3/4 | 3/4 | 3/4 | 182,852 | 3/4 | 174,773 | 3/4 | 166,650 | 3/4 | 158,524 | 3/4 | 150,399 | 3/4 | 138,099 | 3/4 | 123,049 | 3/4 | 107,955 | 3/4 | 92,848 | | |
| 7 | | 7 | 182,684 | 7 | 174,605 | 7 | 166,480 | 7 | 158,355 | 7 | 150,230 | 7 | 137,786 | 7 | 122,734 | 7 | 107,640 | 7 | 92,534 | | |
| 1/4 | 1/4 | 1/4 | 182,517 | 1/4 | 174,436 | 1/4 | 166,311 | 1/4 | 158,186 | 1/4 | 150,060 | 1/4 | 137,474 | 1/4 | 122,420 | 1/4 | 107,325 | 1/4 | 92,219 | | |
| 1/2 | 1/2 | 1/2 | 182,350 | 1/2 | 174,267 | 1/2 | 166,142 | 1/2 | 158,016 | 1/2 | 149,891 | 1/2 | 137,161 | 1/2 | 122,106 | 1/2 | 107,011 | 1/2 | 91,904 | | |
| 3/4 | 3/4 | 3/4 | 182,183 | 3/4 | 174,098 | 3/4 | 165,973 | 3/4 | 157,847 | 3/4 | 149,722 | 3/4 | 136,848 | 3/4 | 121,792 | 3/4 | 106,696 | 3/4 | 91,589 | | |
| 8 | | 8 | 182,016 | 8 | 173,929 | 8 | 165,803 | 8 | 157,678 | 8 | 149,553 | 8 | 136,536 | 8 | 121,478 | 8 | 106,381 | 8 | 91,275 | | |
| 1/4 | 1/4 | 1/4 | 181,849 | 1/4 | 173,759 | 1/4 | 165,634 | 1/4 | 157,509 | 1/4 | 149,383 | 1/4 | 136,223 | 1/4 | 121,164 | 1/4 | 106,066 | 1/4 | 90,960 | | |
| 1/2 | 1/2 | 1/2 | 181,682 | 1/2 | 173,590 | 1/2 | 165,465 | 1/2 | 157,339 | 1/2 | 149,214 | 1/2 | 135,910 | 1/2 | 120,850 | 1/2 | 105,752 | 1/2 | 90,645 | | |
| 3/4 | 3/4 | 3/4 | 181,515 | 3/4 | 173,421 | 3/4 | 165,295 | 3/4 | 157,170 | 3/4 | 149,045 | 3/4 | 135,598 | 3/4 | 120,536 | 3/4 | 105,437 | 3/4 | 90,331 | | |
| 9 | | 9 | 181,348 | 9 | 173,252 | 9 | 165,126 | 9 | 157,001 | 9 | 148,875 | 9 | 135,285 | 9 | 120,222 | 9 | 105,122 | 9 | 90,016 | | |
| 1/4 | 1/4 | 1/4 | 181,181 | 1/4 | 173,082 | 1/4 | 164,957 | 1/4 | 156,832 | 1/4 | 148,706 | 1/4 | 134,972 | 1/4 | 119,907 | 1/4 | 104,808 | 1/4 | 89,701 | | |
| 1/2 | 1/2 | 1/2 | 181,014 | 1/2 | 172,913 | 1/2 | 164,788 | 1/2 | 156,662 | 1/2 | 148,537 | 1/2 | 134,660 | 1/2 | 119,593 | 1/2 | 104,493 | 1/2 | 89,386 | | |
| 3/4 | 3/4 | 3/4 | 180,845 | 3/4 | 172,744 | 3/4 | 164,618 | 3/4 | 156,493 | 3/4 | 148,368 | 3/4 | 134,347 | 3/4 | 119,279 | 3/4 | 104,178 | 3/4 | 89,072 | | |
| 10 | | 10 | 180,677 | 10 | 172,574 | 10 | 164,449 | 10 | 156,324 | 10 | 148,198 | 10 | 134,034 | 10 | 118,965 | 10 | 103,863 | 10 | 88,757 | | |
| 1/4 | 1/4 | 1/4 | 180,508 | 1/4 | 172,405 | 1/4 | 164,280 | 1/4 | 156,154 | 1/4 | 148,029 | 1/4 | 133,722 | 1/4 | 118,651 | 1/4 | 103,549 | 1/4 | 88,442 | | |
| 1/2 | 1/2 | 1/2 | 180,339 | 1/2 | 172,236 | 1/2 | 164,111 | 1/2 | 155,985 | 1/2 | 147,860 | 1/2 | 133,409 | 1/2 | 118,337 | 1/2 | 103,234 | 1/2 | 88,128 | | |
| 3/4 | 3/4 | 3/4 | 180,171 | 3/4 | 172,067 | 3/4 | 163,941 | 3/4 | 155,816 | 3/4 | 147,690 | 3/4 | 133,096 | 3/4 | 118,023 | 3/4 | 102,919 | 3/4 | 87,813 | | |
| 11 | | 11 | 180,002 | 11 | 171,897 | 11 | 163,772 | 11 | 155,647 | 11 | 147,521 | 11 | 132,783 | 11 | 117,709 | 11 | 102,605 | 11 | 87,498 | | |
| 1/4 | 1/4 | 1/4 | 179,833 | 1/4 | 171,728 | 1/4 | 163,603 | 1/4 | 155,477 | 1/4 | 147,352 | 1/4 | 132,471 | 1/4 | 117,394 | 1/4 | 102,290 | 1/4 | 87,183 | | |
| 1/2 | 1/2 | 1/2 | 179,665 | 1/2 | 171,559 | 1/2 | 163,433 | 1/2 | 155,308 | 1/2 | 147,183 | 1/2 | 132,158 | 1/2 | 117,080 | 1/2 | 101,975 | 1/2 | 86,869 | | |
| 3/4 | 3/4 | 3/4 | 179,496 | 3/4 | 171,390 | 3/4 | 163,264 | 3/4 | 155,139 | 3/4 | 146,869 | 3/4 | 131,844 | 3/4 | 116,766 | 3/4 | 101,660 | 3/4 | 86,554 | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 86,239 | 0 | 71,130 | 0 | 56,020 | 0 | 40,922 | 0 | 25,816 | 0 | 10,707 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 85,925 | 1/4 | 70,815 | 1/4 | 55,705 | 1/4 | 40,608 | 1/4 | 25,501 | 1/4 | 10,392 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 85,610 | 1/2 | 70,500 | 1/2 | 55,390 | 1/2 | 40,293 | 1/2 | 25,186 | 1/2 | 10,077 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 85,295 | 3/4 | 70,185 | 3/4 | 55,075 | 3/4 | 39,979 | 3/4 | 24,872 | 3/4 | 9,762 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 84,980 | 1 | 69,870 | 1 | 54,760 | 1 | 39,664 | 1 | 24,557 | 1 | 9,448 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 84,666 | 1/4 | 69,556 | 1/4 | 54,446 | 1/4 | 39,350 | 1/4 | 24,242 | 1/4 | 9,133 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 84,351 | 1/2 | 69,241 | 1/2 | 54,131 | 1/2 | 39,036 | 1/2 | 23,927 | 1/2 | 8,818 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,036 | 3/4 | 68,926 | 3/4 | 53,816 | 3/4 | 38,721 | 3/4 | 23,613 | 3/4 | 8,503 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 83,721 | 2 | 68,611 | 2 | 53,501 | 2 | 38,407 | 2 | 23,298 | 2 | 8,188 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 83,406 | 1/4 | 68,296 | 1/4 | 53,186 | 1/4 | 38,092 | 1/4 | 22,983 | 1/4 | 7,874 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,092 | 1/2 | 67,982 | 1/2 | 52,872 | 1/2 | 37,778 | 1/2 | 22,668 | 1/2 | 7,559 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 82,777 | 3/4 | 67,667 | 3/4 | 52,557 | 3/4 | 37,463 | 3/4 | 22,353 | 3/4 | 7,244 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 82,462 | 3 | 67,352 | 3 | 52,242 | 3 | 37,148 | 3 | 22,039 | 3 | 6,929 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 82,147 | 1/4 | 67,037 | 1/4 | 51,927 | 1/4 | 36,833 | 1/4 | 21,724 | 1/4 | 6,615 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 81,832 | 1/2 | 66,722 | 1/2 | 51,612 | 1/2 | 36,518 | 1/2 | 21,409 | 1/2 | 6,300 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,518 | 3/4 | 66,408 | 3/4 | 51,298 | 3/4 | 36,204 | 3/4 | 21,094 | 3/4 | 5,986 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 81,203 | 4 | 66,093 | 4 | 50,983 | 4 | 35,889 | 4 | 20,780 | 4 | 5,671 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 80,888 | 1/4 | 65,778 | 1/4 | 50,668 | 1/4 | 35,574 | 1/4 | 20,465 | 1/4 | 5,357 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,573 | 1/2 | 65,463 | 1/2 | 50,354 | 1/2 | 35,259 | 1/2 | 20,150 | 1/2 | 5,043 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 80,258 | 3/4 | 65,148 | 3/4 | 50,039 | 3/4 | 34,945 | 3/4 | 19,835 | 3/4 | 4,729 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 79,944 | 5 | 64,834 | 5 | 49,725 | 5 | 34,630 | 5 | 19,520 | 5 | 4,416 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 79,629 | 1/4 | 64,519 | 1/4 | 49,411 | 1/4 | 34,315 | 1/4 | 19,206 | 1/4 | 4,103 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 79,314 | 1/2 | 64,204 | 1/2 | 49,096 | 1/2 | 34,000 | 1/2 | 18,891 | 1/2 | 3,789 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,999 | 3/4 | 63,889 | 3/4 | 48,782 | 3/4 | 33,685 | 3/4 | 18,576 | 3/4 | 3,501 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 78,684 | 6 | 63,575 | 6 | 48,467 | 6 | 33,371 | 6 | 18,261 | 6 | 3,213 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 78,370 | 1/4 | 63,260 | 1/4 | 48,153 | 1/4 | 33,056 | 1/4 | 17,947 | 1/4 | 2,924 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,055 | 1/2 | 62,945 | 1/2 | 47,839 | 1/2 | 32,741 | 1/2 | 17,632 | 1/2 | 2,636 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 77,740 | 3/4 | 62,630 | 3/4 | 47,524 | 3/4 | 32,426 | 3/4 | 17,317 | 3/4 | 2,400 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 77,425 | 7 | 62,315 | 7 | 47,210 | 7 | 32,112 | 7 | 17,002 | 7 | 2,164 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 77,111 | 1/4 | 62,001 | 1/4 | 46,895 | 1/4 | 31,797 | 1/4 | 16,687 | 1/4 | 1,927 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 76,796 | 1/2 | 61,686 | 1/2 | 46,581 | 1/2 | 31,482 | 1/2 | 16,373 | 1/2 | 1,691 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,481 | 3/4 | 61,371 | 3/4 | 46,267 | 3/4 | 31,167 | 3/4 | 16,058 | 3/4 | 1,508 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 76,166 | 8 | 61,056 | 8 | 45,952 | 8 | 30,852 | 8 | 15,743 | 8 | 1,324 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 75,851 | 1/4 | 60,741 | 1/4 | 45,638 | 1/4 | 30,538 | 1/4 | 15,428 | 1/4 | 1,141 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,537 | 1/2 | 60,427 | 1/2 | 45,324 | 1/2 | 30,223 | 1/2 | 15,114 | 1/2 | 957 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,222 | 3/4 | 60,112 | 3/4 | 45,009 | 3/4 | 29,908 | 3/4 | 14,799 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 74,907 | 9 | 59,797 | 9 | 44,695 | 9 | 29,593 | 9 | 14,484 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 74,592 | 1/4 | 59,482 | 1/4 | 44,380 | 1/4 | 29,279 | 1/4 | 14,169 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,277 | 1/2 | 59,167 | 1/2 | 44,066 | 1/2 | 28,964 | 1/2 | 13,854 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,963 | 3/4 | 58,853 | 3/4 | 43,752 | 3/4 | 28,649 | 3/4 | 13,540 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 73,648 | 10 | 58,538 | 10 | 43,437 | 10 | 28,334 | 10 | 13,225 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 73,333 | 1/4 | 58,223 | 1/4 | 43,123 | 1/4 | 28,019 | 1/4 | 12,910 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,018 | 1/2 | 57,908 | 1/2 | 42,808 | 1/2 | 27,705 | 1/2 | 12,595 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,703 | 3/4 | 57,594 | 3/4 | 42,494 | 3/4 | 27,390 | 3/4 | 12,281 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 72,389 | 11 | 57,279 | 11 | 42,180 | 11 | 27,075 | 11 | 11,966 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 72,074 | 1/4 | 56,964 | 1/4 | 41,865 | 1/4 | 26,760 | 1/4 | 11,651 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 71,759 | 1/2 | 56,649 | 1/2 | 41,551 | 1/2 | 26,446 | 1/2 | 11,336 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,444 | 3/4 | 56,334 | 3/4 | 41,236 | 3/4 | 26,131 | 3/4 | 11,021 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 380"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|--|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | 178,184 | 0 | 170,106 | 0 | 162,008 | 0 | 153,911 | 0 | 145,526 | 0 | 130,528 | 0 | 115,485 | 0 | 100,408 |
| 1/4 | | 1/4 | | 1/4 | 178,016 | 1/4 | 169,937 | 1/4 | 161,840 | 1/4 | 153,743 | 1/4 | 145,213 | 1/4 | 130,215 | 1/4 | 115,171 | 1/4 | 100,094 |
| 1/2 | | 1/2 | 184,908 | 1/2 | 177,848 | 1/2 | 169,768 | 1/2 | 161,671 | 1/2 | 153,574 | 1/2 | 144,900 | 1/2 | 129,901 | 1/2 | 114,857 | 1/2 | 99,780 |
| 3/4 | | 3/4 | 184,872 | 3/4 | 177,680 | 3/4 | 169,599 | 3/4 | 161,502 | 3/4 | 153,405 | 3/4 | 144,588 | 3/4 | 129,587 | 3/4 | 114,542 | 3/4 | 99,465 |
| 1 | | 1 | 184,836 | 1 | 177,512 | 1 | 169,431 | 1 | 161,334 | 1 | 153,236 | 1 | 144,275 | 1 | 129,274 | 1 | 114,228 | 1 | 99,151 |
| 1/4 | | 1/4 | 184,800 | 1/4 | 177,344 | 1/4 | 169,262 | 1/4 | 161,165 | 1/4 | 153,068 | 1/4 | 143,962 | 1/4 | 128,960 | 1/4 | 113,914 | 1/4 | 98,837 |
| 1/2 | | 1/2 | 184,764 | 1/2 | 177,176 | 1/2 | 169,093 | 1/2 | 160,996 | 1/2 | 152,899 | 1/2 | 143,649 | 1/2 | 128,647 | 1/2 | 113,600 | 1/2 | 98,523 |
| 3/4 | | 3/4 | 184,677 | 3/4 | 177,008 | 3/4 | 168,925 | 3/4 | 160,828 | 3/4 | 152,730 | 3/4 | 143,337 | 3/4 | 128,334 | 3/4 | 113,286 | 3/4 | 98,209 |
| 2 | | 2 | 184,589 | 2 | 176,840 | 2 | 168,756 | 2 | 160,659 | 2 | 152,562 | 2 | 143,024 | 2 | 128,020 | 2 | 112,972 | 2 | 97,895 |
| 1/4 | | 1/4 | 184,501 | 1/4 | 176,672 | 1/4 | 168,587 | 1/4 | 160,490 | 1/4 | 152,393 | 1/4 | 142,711 | 1/4 | 127,707 | 1/4 | 112,658 | 1/4 | 97,581 |
| 1/2 | | 1/2 | 184,413 | 1/2 | 176,504 | 1/2 | 168,419 | 1/2 | 160,321 | 1/2 | 152,224 | 1/2 | 142,398 | 1/2 | 127,394 | 1/2 | 112,344 | 1/2 | 97,267 |
| 3/4 | | 3/4 | 184,273 | 3/4 | 176,335 | 3/4 | 168,250 | 3/4 | 160,153 | 3/4 | 152,056 | 3/4 | 142,086 | 3/4 | 127,081 | 3/4 | 112,030 | 3/4 | 96,952 |
| 3 | | 3 | 184,133 | 3 | 176,167 | 3 | 168,081 | 3 | 159,984 | 3 | 151,887 | 3 | 141,773 | 3 | 126,768 | 3 | 111,716 | 3 | 96,638 |
| 1/4 | | 1/4 | 183,993 | 1/4 | 175,999 | 1/4 | 167,913 | 1/4 | 159,815 | 1/4 | 151,718 | 1/4 | 141,460 | 1/4 | 126,454 | 1/4 | 111,402 | 1/4 | 96,324 |
| 1/2 | | 1/2 | 183,852 | 1/2 | 175,831 | 1/2 | 167,744 | 1/2 | 159,647 | 1/2 | 151,550 | 1/2 | 141,147 | 1/2 | 126,141 | 1/2 | 111,088 | 1/2 | 96,010 |
| 3/4 | | 3/4 | 183,687 | 3/4 | 175,663 | 3/4 | 167,575 | 3/4 | 159,478 | 3/4 | 151,381 | 3/4 | 140,835 | 3/4 | 125,828 | 3/4 | 110,774 | 3/4 | 95,696 |
| 4 | | 4 | 183,522 | 4 | 175,495 | 4 | 167,406 | 4 | 159,309 | 4 | 151,212 | 4 | 140,522 | 4 | 125,515 | 4 | 110,460 | 4 | 95,382 |
| 1/4 | | 1/4 | 183,357 | 1/4 | 175,327 | 1/4 | 167,238 | 1/4 | 159,141 | 1/4 | 151,043 | 1/4 | 140,209 | 1/4 | 125,201 | 1/4 | 110,146 | 1/4 | 95,068 |
| 1/2 | | 1/2 | 183,192 | 1/2 | 175,159 | 1/2 | 167,069 | 1/2 | 158,972 | 1/2 | 150,875 | 1/2 | 139,896 | 1/2 | 124,888 | 1/2 | 109,831 | 1/2 | 94,754 |
| 3/4 | | 3/4 | 183,026 | 3/4 | 174,991 | 3/4 | 166,900 | 3/4 | 158,803 | 3/4 | 150,706 | 3/4 | 139,584 | 3/4 | 124,575 | 3/4 | 109,517 | 3/4 | 94,439 |
| 5 | | 5 | 182,860 | 5 | 174,823 | 5 | 166,732 | 5 | 158,635 | 5 | 150,537 | 5 | 139,271 | 5 | 124,262 | 5 | 109,203 | 5 | 94,125 |
| 1/4 | | 1/4 | 182,694 | 1/4 | 174,655 | 1/4 | 166,563 | 1/4 | 158,466 | 1/4 | 150,369 | 1/4 | 138,958 | 1/4 | 123,949 | 1/4 | 108,889 | 1/4 | 93,811 |
| 1/2 | | 1/2 | 182,528 | 1/2 | 174,487 | 1/2 | 166,394 | 1/2 | 158,297 | 1/2 | 150,200 | 1/2 | 138,645 | 1/2 | 123,635 | 1/2 | 108,575 | 1/2 | 93,497 |
| 3/4 | | 3/4 | 182,362 | 3/4 | 174,318 | 3/4 | 166,226 | 3/4 | 158,128 | 3/4 | 150,031 | 3/4 | 138,333 | 3/4 | 123,322 | 3/4 | 108,261 | 3/4 | 93,183 |
| 6 | | 6 | 182,196 | 6 | 174,150 | 6 | 166,057 | 6 | 157,960 | 6 | 149,863 | 6 | 138,021 | 6 | 123,009 | 6 | 107,947 | 6 | 92,869 |
| 1/4 | | 1/4 | 182,029 | 1/4 | 173,982 | 1/4 | 165,888 | 1/4 | 157,791 | 1/4 | 149,694 | 1/4 | 137,709 | 1/4 | 122,696 | 1/4 | 107,633 | 1/4 | 92,555 |
| 1/2 | | 1/2 | 181,863 | 1/2 | 173,814 | 1/2 | 165,720 | 1/2 | 157,622 | 1/2 | 149,525 | 1/2 | 137,397 | 1/2 | 122,383 | 1/2 | 107,319 | 1/2 | 92,241 |
| 3/4 | | 3/4 | 181,696 | 3/4 | 173,646 | 3/4 | 165,551 | 3/4 | 157,454 | 3/4 | 149,357 | 3/4 | 137,085 | 3/4 | 122,069 | 3/4 | 107,005 | 3/4 | 91,926 |
| 7 | | 7 | 181,530 | 7 | 173,478 | 7 | 165,382 | 7 | 157,285 | 7 | 149,188 | 7 | 136,773 | 7 | 121,756 | 7 | 106,690 | 7 | 91,612 |
| 1/4 | | 1/4 | 181,363 | 1/4 | 173,310 | 1/4 | 165,213 | 1/4 | 157,116 | 1/4 | 149,019 | 1/4 | 136,461 | 1/4 | 121,443 | 1/4 | 106,376 | 1/4 | 91,298 |
| 1/2 | | 1/2 | 181,197 | 1/2 | 173,142 | 1/2 | 165,045 | 1/2 | 156,948 | 1/2 | 148,850 | 1/2 | 136,149 | 1/2 | 121,130 | 1/2 | 106,062 | 1/2 | 90,984 |
| 3/4 | | 3/4 | 181,030 | 3/4 | 172,973 | 3/4 | 164,876 | 3/4 | 156,779 | 3/4 | 148,682 | 3/4 | 135,837 | 3/4 | 120,816 | 3/4 | 105,748 | 3/4 | 90,670 |
| 8 | | 8 | 180,864 | 8 | 172,805 | 8 | 164,707 | 8 | 156,610 | 8 | 148,513 | 8 | 135,524 | 8 | 120,503 | 8 | 105,434 | 8 | 90,356 |
| 1/4 | | 1/4 | 180,697 | 1/4 | 172,636 | 1/4 | 164,539 | 1/4 | 156,442 | 1/4 | 148,344 | 1/4 | 135,212 | 1/4 | 120,189 | 1/4 | 105,120 | 1/4 | 90,042 |
| 1/2 | | 1/2 | 180,531 | 1/2 | 172,467 | 1/2 | 164,370 | 1/2 | 156,273 | 1/2 | 148,176 | 1/2 | 134,900 | 1/2 | 119,876 | 1/2 | 104,806 | 1/2 | 89,728 |
| 3/4 | | 3/4 | 180,365 | 3/4 | 172,298 | 3/4 | 164,201 | 3/4 | 156,104 | 3/4 | 148,007 | 3/4 | 134,588 | 3/4 | 119,562 | 3/4 | 104,492 | 3/4 | 89,413 |
| 9 | | 9 | 180,198 | 9 | 172,130 | 9 | 164,033 | 9 | 155,935 | 9 | 147,838 | 9 | 134,276 | 9 | 119,248 | 9 | 104,177 | 9 | 89,099 |
| 1/4 | | 1/4 | 180,032 | 1/4 | 171,961 | 1/4 | 163,864 | 1/4 | 155,767 | 1/4 | 147,670 | 1/4 | 133,964 | 1/4 | 118,935 | 1/4 | 103,863 | 1/4 | 88,785 |
| 1/2 | | 1/2 | 179,865 | 1/2 | 171,792 | 1/2 | 163,695 | 1/2 | 155,598 | 1/2 | 147,501 | 1/2 | 133,652 | 1/2 | 118,621 | 1/2 | 103,549 | 1/2 | 88,471 |
| 3/4 | | 3/4 | 179,697 | 3/4 | 171,624 | 3/4 | 163,527 | 3/4 | 155,429 | 3/4 | 147,332 | 3/4 | 133,340 | 3/4 | 118,308 | 3/4 | 103,235 | 3/4 | 88,157 |
| 10 | | 10 | 179,529 | 10 | 171,455 | 10 | 163,358 | 10 | 155,261 | 10 | 147,164 | 10 | 133,028 | 10 | 117,994 | 10 | 102,921 | 10 | 87,843 |
| 1/4 | | 1/4 | 179,361 | 1/4 | 171,286 | 1/4 | 163,189 | 1/4 | 155,092 | 1/4 | 146,995 | 1/4 | 132,716 | 1/4 | 117,681 | 1/4 | 102,607 | 1/4 | 87,529 |
| 1/2 | | 1/2 | 179,193 | 1/2 | 171,118 | 1/2 | 163,020 | 1/2 | 154,923 | 1/2 | 146,826 | 1/2 | 132,404 | 1/2 | 117,367 | 1/2 | 102,293 | 1/2 | 87,215 |
| 3/4 | | 3/4 | 179,025 | 3/4 | 170,949 | 3/4 | 162,852 | 3/4 | 154,755 | 3/4 | 146,657 | 3/4 | 132,091 | 3/4 | 117,054 | 3/4 | 101,978 | 3/4 | 86,900 |
| 11 | | 11 | 178,857 | 11 | 170,780 | 11 | 162,683 | 11 | 154,586 | 11 | 146,489 | 11 | 131,779 | 11 | 116,740 | 11 | 101,664 | 11 | 86,586 |
| 1/4 | | 1/4 | 178,689 | 1/4 | 170,612 | 1/4 | 162,514 | 1/4 | 154,417 | 1/4 | 146,320 | 1/4 | 131,467 | 1/4 | 116,427 | 1/4 | 101,350 | 1/4 | 86,272 |
| 1/2 | | 1/2 | 178,520 | 1/2 | 170,443 | 1/2 | 162,346 | 1/2 | 154,249 | 1/2 | 146,151 | 1/2 | 131,155 | 1/2 | 116,113 | 1/2 | 101,036 | 1/2 | 85,958 |
| 3/4 | | 3/4 | 178,352 | 3/4 | 170,274 | 3/4 | 162,177 | 3/4 | 154,080 | 3/4 | 145,939 | 3/4 | 130,842 | 3/4 | 115,799 | 3/4 | 100,722 | 3/4 | 85,644 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 85,330 | 0 | 70,248 | 0 | 55,223 | 0 | 40,569 | 0 | 25,777 | 0 | 10,691 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 85,016 | 1/4 | 69,934 | 1/4 | 54,912 | 1/4 | 40,269 | 1/4 | 25,463 | 1/4 | 10,377 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 84,701 | 1/2 | 69,620 | 1/2 | 54,600 | 1/2 | 39,969 | 1/2 | 25,149 | 1/2 | 10,063 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 84,387 | 3/4 | 69,306 | 3/4 | 54,289 | 3/4 | 39,669 | 3/4 | 24,834 | 3/4 | 9,748 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 84,073 | 1 | 68,991 | 1 | 53,977 | 1 | 39,369 | 1 | 24,520 | 1 | 9,434 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 83,759 | 1/4 | 68,677 | 1/4 | 53,665 | 1/4 | 39,069 | 1/4 | 24,206 | 1/4 | 9,120 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 83,445 | 1/2 | 68,363 | 1/2 | 53,354 | 1/2 | 38,769 | 1/2 | 23,891 | 1/2 | 8,806 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 83,130 | 3/4 | 68,049 | 3/4 | 53,042 | 3/4 | 38,468 | 3/4 | 23,577 | 3/4 | 8,491 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 82,816 | 2 | 67,735 | 2 | 52,731 | 2 | 38,168 | 2 | 23,263 | 2 | 8,177 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 82,502 | 1/4 | 67,420 | 1/4 | 52,419 | 1/4 | 37,868 | 1/4 | 22,949 | 1/4 | 7,863 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 82,188 | 1/2 | 67,106 | 1/2 | 52,107 | 1/2 | 37,568 | 1/2 | 22,634 | 1/2 | 7,548 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 81,874 | 3/4 | 66,792 | 3/4 | 51,796 | 3/4 | 37,267 | 3/4 | 22,320 | 3/4 | 7,234 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 81,559 | 3 | 66,478 | 3 | 51,486 | 3 | 36,965 | 3 | 22,006 | 3 | 6,920 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 81,245 | 1/4 | 66,164 | 1/4 | 51,175 | 1/4 | 36,664 | 1/4 | 21,691 | 1/4 | 6,606 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 80,931 | 1/2 | 65,849 | 1/2 | 50,864 | 1/2 | 36,363 | 1/2 | 21,377 | 1/2 | 6,291 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 80,617 | 3/4 | 65,535 | 3/4 | 50,553 | 3/4 | 36,062 | 3/4 | 21,063 | 3/4 | 5,977 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 80,303 | 4 | 65,221 | 4 | 50,242 | 4 | 35,761 | 4 | 20,749 | 4 | 5,663 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 79,988 | 1/4 | 64,907 | 1/4 | 49,931 | 1/4 | 35,459 | 1/4 | 20,434 | 1/4 | 5,349 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 79,674 | 1/2 | 64,593 | 1/2 | 49,621 | 1/2 | 35,158 | 1/2 | 20,120 | 1/2 | 5,035 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 79,360 | 3/4 | 64,278 | 3/4 | 49,308 | 3/4 | 34,856 | 3/4 | 19,806 | 3/4 | 4,722 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 79,046 | 5 | 63,964 | 5 | 48,996 | 5 | 34,553 | 5 | 19,491 | 5 | 4,409 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 78,732 | 1/4 | 63,650 | 1/4 | 48,684 | 1/4 | 34,251 | 1/4 | 19,177 | 1/4 | 4,097 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 78,417 | 1/2 | 63,336 | 1/2 | 48,372 | 1/2 | 33,949 | 1/2 | 18,863 | 1/2 | 3,784 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 78,103 | 3/4 | 63,021 | 3/4 | 48,072 | 3/4 | 33,644 | 3/4 | 18,549 | 3/4 | 3,496 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 77,789 | 6 | 62,707 | 6 | 47,772 | 6 | 33,320 | 6 | 18,234 | 6 | 3,209 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 77,475 | 1/4 | 62,393 | 1/4 | 47,472 | 1/4 | 33,006 | 1/4 | 17,920 | 1/4 | 2,921 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,161 | 1/2 | 62,079 | 1/2 | 47,172 | 1/2 | 32,692 | 1/2 | 17,606 | 1/2 | 2,634 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,846 | 3/4 | 61,767 | 3/4 | 46,872 | 3/4 | 32,377 | 3/4 | 17,291 | 3/4 | 2,398 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 76,532 | 7 | 61,456 | 7 | 46,572 | 7 | 32,063 | 7 | 16,977 | 7 | 2,162 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 76,218 | 1/4 | 61,144 | 1/4 | 46,272 | 1/4 | 31,749 | 1/4 | 16,663 | 1/4 | 1,927 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,904 | 1/2 | 60,832 | 1/2 | 45,971 | 1/2 | 31,434 | 1/2 | 16,349 | 1/2 | 1,691 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,590 | 3/4 | 60,521 | 3/4 | 45,671 | 3/4 | 31,120 | 3/4 | 16,034 | 3/4 | 1,508 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 75,275 | 8 | 60,209 | 8 | 45,371 | 8 | 30,806 | 8 | 15,720 | 8 | 1,324 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 74,961 | 1/4 | 59,898 | 1/4 | 45,071 | 1/4 | 30,492 | 1/4 | 15,406 | 1/4 | 1,141 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,647 | 1/2 | 59,586 | 1/2 | 44,771 | 1/2 | 30,177 | 1/2 | 15,091 | 1/2 | 957 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,333 | 3/4 | 59,274 | 3/4 | 44,471 | 3/4 | 29,863 | 3/4 | 14,777 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 74,019 | 9 | 58,963 | 9 | 44,171 | 9 | 29,549 | 9 | 14,463 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 73,704 | 1/4 | 58,651 | 1/4 | 43,871 | 1/4 | 29,234 | 1/4 | 14,149 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,390 | 1/2 | 58,340 | 1/2 | 43,571 | 1/2 | 28,920 | 1/2 | 13,834 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,076 | 3/4 | 58,028 | 3/4 | 43,270 | 3/4 | 28,606 | 3/4 | 13,520 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 72,762 | 10 | 57,716 | 10 | 42,970 | 10 | 28,292 | 10 | 13,206 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 72,448 | 1/4 | 57,405 | 1/4 | 42,670 | 1/4 | 27,977 | 1/4 | 12,891 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,133 | 1/2 | 57,093 | 1/2 | 42,370 | 1/2 | 27,663 | 1/2 | 12,577 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,819 | 3/4 | 56,782 | 3/4 | 42,070 | 3/4 | 27,349 | 3/4 | 12,263 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 71,505 | 11 | 56,470 | 11 | 41,770 | 11 | 27,034 | 11 | 11,948 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 71,191 | 1/4 | 56,158 | 1/4 | 41,470 | 1/4 | 26,720 | 1/4 | 11,634 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 70,877 | 1/2 | 55,847 | 1/2 | 41,170 | 1/2 | 26,406 | 1/2 | 11,320 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 70,562 | 3/4 | 55,535 | 3/4 | 40,869 | 3/4 | 26,091 | 3/4 | 11,006 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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