



BARGE "CBC 1361"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 26, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 1361"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 39 | 0 | 8,089 | 0 | 18,876 | 0 | 29,512 | 0 | 40,177 | 0 | 50,936 | 0 | 61,694 | 0 | 72,429 | 0 | 83,166 | 0 | 93,928 |
| 1/4 | 58 | 1/4 | 8,314 | 1/4 | 19,100 | 1/4 | 29,730 | 1/4 | 40,401 | 1/4 | 51,160 | 1/4 | 61,918 | 1/4 | 72,652 | 1/4 | 83,391 | 1/4 | 94,152 |
| 1/2 | 77 | 1/2 | 8,539 | 1/2 | 19,325 | 1/2 | 29,948 | 1/2 | 40,625 | 1/2 | 51,384 | 1/2 | 62,142 | 1/2 | 72,875 | 1/2 | 83,615 | 1/2 | 94,377 |
| 3/4 | 96 | 3/4 | 8,764 | 3/4 | 19,550 | 3/4 | 30,167 | 3/4 | 40,850 | 3/4 | 51,608 | 3/4 | 62,366 | 3/4 | 73,098 | 3/4 | 83,839 | 3/4 | 94,601 |
| 1 | 114 | 1 | 8,988 | 1 | 19,775 | 1 | 30,385 | 1 | 41,074 | 1 | 51,832 | 1 | 62,591 | 1 | 73,320 | 1 | 84,063 | 1 | 94,825 |
| 1/4 | 170 | 1/4 | 9,213 | 1/4 | 19,999 | 1/4 | 30,603 | 1/4 | 41,298 | 1/4 | 52,056 | 1/4 | 62,815 | 1/4 | 73,543 | 1/4 | 84,287 | 1/4 | 95,049 |
| 1/2 | 227 | 1/2 | 9,438 | 1/2 | 20,224 | 1/2 | 30,822 | 1/2 | 41,522 | 1/2 | 52,280 | 1/2 | 63,039 | 1/2 | 73,766 | 1/2 | 84,512 | 1/2 | 95,273 |
| 3/4 | 283 | 3/4 | 9,662 | 3/4 | 20,449 | 3/4 | 31,040 | 3/4 | 41,746 | 3/4 | 52,505 | 3/4 | 63,263 | 3/4 | 73,989 | 3/4 | 84,736 | 3/4 | 95,498 |
| 2 | 339 | 2 | 9,887 | 2 | 20,673 | 2 | 31,258 | 2 | 41,970 | 2 | 52,729 | 2 | 63,487 | 2 | 74,212 | 2 | 84,960 | 2 | 95,722 |
| 1/4 | 433 | 1/4 | 10,112 | 1/4 | 20,898 | 1/4 | 31,477 | 1/4 | 42,194 | 1/4 | 52,953 | 1/4 | 63,711 | 1/4 | 74,434 | 1/4 | 85,184 | 1/4 | 95,946 |
| 1/2 | 526 | 1/2 | 10,337 | 1/2 | 21,123 | 1/2 | 31,695 | 1/2 | 42,419 | 1/2 | 53,177 | 1/2 | 63,935 | 1/2 | 74,657 | 1/2 | 85,408 | 1/2 | 96,170 |
| 3/4 | 620 | 3/4 | 10,561 | 3/4 | 21,348 | 3/4 | 31,913 | 3/4 | 42,643 | 3/4 | 53,401 | 3/4 | 64,160 | 3/4 | 74,880 | 3/4 | 85,633 | 3/4 | 96,394 |
| 3 | 713 | 3 | 10,786 | 3 | 21,572 | 3 | 32,132 | 3 | 42,867 | 3 | 53,625 | 3 | 64,384 | 3 | 75,103 | 3 | 85,857 | 3 | 96,619 |
| 1/4 | 844 | 1/4 | 11,011 | 1/4 | 21,797 | 1/4 | 32,350 | 1/4 | 43,091 | 1/4 | 53,849 | 1/4 | 64,608 | 1/4 | 75,326 | 1/4 | 86,081 | 1/4 | 96,843 |
| 1/2 | 976 | 1/2 | 11,235 | 1/2 | 22,022 | 1/2 | 32,568 | 1/2 | 43,315 | 1/2 | 54,074 | 1/2 | 64,832 | 1/2 | 75,548 | 1/2 | 86,305 | 1/2 | 97,067 |
| 3/4 | 1,107 | 3/4 | 11,460 | 3/4 | 22,246 | 3/4 | 32,787 | 3/4 | 43,539 | 3/4 | 54,298 | 3/4 | 65,056 | 3/4 | 75,771 | 3/4 | 86,529 | 3/4 | 97,291 |
| 4 | 1,238 | 4 | 11,685 | 4 | 22,471 | 4 | 33,005 | 4 | 43,763 | 4 | 54,522 | 4 | 65,280 | 4 | 75,994 | 4 | 86,754 | 4 | 97,515 |
| 1/4 | 1,406 | 1/4 | 11,910 | 1/4 | 22,696 | 1/4 | 33,229 | 1/4 | 43,987 | 1/4 | 54,746 | 1/4 | 65,504 | 1/4 | 76,217 | 1/4 | 86,978 | 1/4 | 97,740 |
| 1/2 | 1,575 | 1/2 | 12,134 | 1/2 | 22,921 | 1/2 | 33,453 | 1/2 | 44,212 | 1/2 | 54,970 | 1/2 | 65,728 | 1/2 | 76,441 | 1/2 | 87,202 | 1/2 | 97,964 |
| 3/4 | 1,743 | 3/4 | 12,359 | 3/4 | 23,145 | 3/4 | 33,677 | 3/4 | 44,436 | 3/4 | 55,194 | 3/4 | 65,953 | 3/4 | 76,664 | 3/4 | 87,426 | 3/4 | 98,188 |
| 5 | 1,912 | 5 | 12,584 | 5 | 23,370 | 5 | 33,901 | 5 | 44,660 | 5 | 55,418 | 5 | 66,177 | 5 | 76,888 | 5 | 87,650 | 5 | 98,412 |
| 1/4 | 2,117 | 1/4 | 12,808 | 1/4 | 23,595 | 1/4 | 34,126 | 1/4 | 44,884 | 1/4 | 55,642 | 1/4 | 66,401 | 1/4 | 77,112 | 1/4 | 87,875 | 1/4 | 98,636 |
| 1/2 | 2,322 | 1/2 | 13,033 | 1/2 | 23,819 | 1/2 | 34,350 | 1/2 | 45,108 | 1/2 | 55,867 | 1/2 | 66,625 | 1/2 | 77,336 | 1/2 | 88,099 | 1/2 | 98,861 |
| 3/4 | 2,528 | 3/4 | 13,258 | 3/4 | 24,044 | 3/4 | 34,574 | 3/4 | 45,332 | 3/4 | 56,091 | 3/4 | 66,849 | 3/4 | 77,560 | 3/4 | 88,323 | 3/4 | 99,085 |
| 6 | 2,733 | 6 | 13,483 | 6 | 24,269 | 6 | 34,798 | 6 | 45,556 | 6 | 56,315 | 6 | 67,073 | 6 | 77,785 | 6 | 88,547 | 6 | 99,309 |
| 1/4 | 2,953 | 1/4 | 13,707 | 1/4 | 24,488 | 1/4 | 35,022 | 1/4 | 45,781 | 1/4 | 56,539 | 1/4 | 67,297 | 1/4 | 78,009 | 1/4 | 88,771 | 1/4 | 99,533 |
| 1/2 | 3,174 | 1/2 | 13,932 | 1/2 | 24,706 | 1/2 | 35,246 | 1/2 | 46,005 | 1/2 | 56,763 | 1/2 | 67,520 | 1/2 | 78,233 | 1/2 | 88,996 | 1/2 | 99,757 |
| 3/4 | 3,394 | 3/4 | 14,157 | 3/4 | 24,925 | 3/4 | 35,470 | 3/4 | 46,229 | 3/4 | 56,987 | 3/4 | 67,744 | 3/4 | 78,457 | 3/4 | 89,220 | 3/4 | 99,982 |
| 7 | 3,614 | 7 | 14,381 | 7 | 25,144 | 7 | 35,695 | 7 | 46,453 | 7 | 57,211 | 7 | 67,967 | 7 | 78,682 | 7 | 89,444 | 7 | 100,206 |
| 1/4 | 3,836 | 1/4 | 14,606 | 1/4 | 25,362 | 1/4 | 35,919 | 1/4 | 46,677 | 1/4 | 57,436 | 1/4 | 68,191 | 1/4 | 78,906 | 1/4 | 89,668 | 1/4 | 100,430 |
| 1/2 | 4,058 | 1/2 | 14,831 | 1/2 | 25,581 | 1/2 | 36,143 | 1/2 | 46,901 | 1/2 | 57,660 | 1/2 | 68,415 | 1/2 | 79,130 | 1/2 | 89,892 | 1/2 | 100,654 |
| 3/4 | 4,281 | 3/4 | 15,056 | 3/4 | 25,800 | 3/4 | 36,367 | 3/4 | 47,125 | 3/4 | 57,884 | 3/4 | 68,638 | 3/4 | 79,354 | 3/4 | 90,117 | 3/4 | 100,878 |
| 8 | 4,503 | 8 | 15,280 | 8 | 26,019 | 8 | 36,591 | 8 | 47,349 | 8 | 58,108 | 8 | 68,862 | 8 | 79,579 | 8 | 90,341 | 8 | 101,103 |
| 1/4 | 4,726 | 1/4 | 15,505 | 1/4 | 26,237 | 1/4 | 36,815 | 1/4 | 47,574 | 1/4 | 58,332 | 1/4 | 69,085 | 1/4 | 79,803 | 1/4 | 90,565 | 1/4 | 101,327 |
| 1/2 | 4,950 | 1/2 | 15,730 | 1/2 | 26,455 | 1/2 | 37,039 | 1/2 | 47,798 | 1/2 | 58,556 | 1/2 | 69,309 | 1/2 | 80,027 | 1/2 | 90,789 | 1/2 | 101,551 |
| 3/4 | 5,173 | 3/4 | 15,954 | 3/4 | 26,674 | 3/4 | 37,263 | 3/4 | 48,022 | 3/4 | 58,780 | 3/4 | 69,532 | 3/4 | 80,251 | 3/4 | 91,013 | 3/4 | 101,775 |
| 9 | 5,396 | 9 | 16,179 | 9 | 26,892 | 9 | 37,488 | 9 | 48,246 | 9 | 59,004 | 9 | 69,756 | 9 | 80,476 | 9 | 91,238 | 9 | 101,999 |
| 1/4 | 5,620 | 1/4 | 16,404 | 1/4 | 27,110 | 1/4 | 37,712 | 1/4 | 48,470 | 1/4 | 59,229 | 1/4 | 69,979 | 1/4 | 80,700 | 1/4 | 91,462 | 1/4 | 102,224 |
| 1/2 | 5,844 | 1/2 | 16,629 | 1/2 | 27,329 | 1/2 | 37,936 | 1/2 | 48,694 | 1/2 | 59,453 | 1/2 | 70,201 | 1/2 | 80,924 | 1/2 | 91,686 | 1/2 | 102,448 |
| 3/4 | 6,068 | 3/4 | 16,853 | 3/4 | 27,547 | 3/4 | 38,160 | 3/4 | 48,918 | 3/4 | 59,677 | 3/4 | 70,424 | 3/4 | 81,148 | 3/4 | 91,910 | 3/4 | 102,672 |
| 10 | 6,293 | 10 | 17,078 | 10 | 27,765 | 10 | 38,384 | 10 | 49,143 | 10 | 59,901 | 10 | 70,647 | 10 | 81,372 | 10 | 92,135 | 10 | 102,896 |
| 1/4 | 6,517 | 1/4 | 17,303 | 1/4 | 27,983 | 1/4 | 38,608 | 1/4 | 49,367 | 1/4 | 60,125 | 1/4 | 70,870 | 1/4 | 81,597 | 1/4 | 92,359 | 1/4 | 103,120 |
| 1/2 | 6,742 | 1/2 | 17,527 | 1/2 | 28,202 | 1/2 | 38,832 | 1/2 | 49,591 | 1/2 | 60,349 | 1/2 | 71,093 | 1/2 | 81,821 | 1/2 | 92,583 | 1/2 | 103,345 |
| 3/4 | 6,966 | 3/4 | 17,752 | 3/4 | 28,420 | 3/4 | 39,057 | 3/4 | 49,815 | 3/4 | 60,573 | 3/4 | 71,315 | 3/4 | 82,045 | 3/4 | 92,807 | 3/4 | 103,569 |
| 11 | 7,191 | 11 | 17,977 | 11 | 28,638 | 11 | 39,281 | 11 | 50,039 | 11 | 60,798 | 11 | 71,538 | 11 | 82,269 | 11 | 93,031 | 11 | 103,793 |
| 1/4 | 7,415 | 1/4 | 18,202 | 1/4 | 28,857 | 1/4 | 39,505 | 1/4 | 50,263 | 1/4 | 61,022 | 1/4 | 71,761 | 1/4 | 82,494 | 1/4 | 93,256 | 1/4 | 104,017 |
| 1/2 | 7,640 | 1/2 | 18,426 | 1/2 | 29,075 | 1/2 | 39,729 | 1/2 | 50,487 | 1/2 | 61,246 | 1/2 | 71,984 | 1/2 | 82,718 | 1/2 | 93,480 | 1/2 | 104,241 |
| 3/4 | 7,865 | 3/4 | 18,651 | 3/4 | 29,293 | 3/4 | 39,953 | 3/4 | 50,712 | 3/4 | 61,470 | 3/4 | 72,206 | 3/4 | 82,942 | 3/4 | 93,704 | 3/4 | 104,466 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1361"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 104,690 | 0 | 114,788 | 0 | 124,246 | 0 | 133,662 | 0 | 143,061 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 104,914 | 1/4 | 114,985 | 1/4 | 124,443 | 1/4 | 133,858 | 1/4 | 143,255 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 105,138 | 1/2 | 115,182 | 1/2 | 124,639 | 1/2 | 134,055 | 1/2 | 143,450 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 105,362 | 3/4 | 115,380 | 3/4 | 124,836 | 3/4 | 134,251 | 3/4 | 143,644 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 105,586 | 1 | 115,577 | 1 | 125,032 | 1 | 134,448 | 1 | 143,839 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 105,810 | 1/4 | 115,774 | 1/4 | 125,229 | 1/4 | 134,644 | 1/4 | 144,033 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,034 | 1/2 | 115,971 | 1/2 | 125,425 | 1/2 | 134,841 | 1/2 | 144,227 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 106,258 | 3/4 | 116,168 | 3/4 | 125,622 | 3/4 | 135,037 | 3/4 | 144,422 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 106,482 | 2 | 116,365 | 2 | 125,818 | 2 | 135,234 | 2 | 144,616 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 106,705 | 1/4 | 116,562 | 1/4 | 126,015 | 1/4 | 135,430 | 1/4 | 144,820 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,929 | 1/2 | 116,759 | 1/2 | 126,211 | 1/2 | 135,627 | 1/2 | 145,023 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 107,153 | 3/4 | 116,956 | 3/4 | 126,408 | 3/4 | 135,823 | 3/4 | 145,226 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 107,377 | 3 | 117,153 | 3 | 126,604 | 3 | 136,020 | 3 | 145,430 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 107,601 | 1/4 | 117,350 | 1/4 | 126,801 | 1/4 | 136,216 | 1/4 | 145,596 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 107,825 | 1/2 | 117,547 | 1/2 | 126,997 | 1/2 | 136,413 | 1/2 | 145,761 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,049 | 3/4 | 117,744 | 3/4 | 127,194 | 3/4 | 136,609 | 3/4 | 145,927 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 108,273 | 4 | 117,941 | 4 | 127,390 | 4 | 136,806 | 4 | 146,093 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 108,497 | 1/4 | 118,138 | 1/4 | 127,587 | 1/4 | 137,002 | 1/4 | 146,222 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 108,721 | 1/2 | 118,335 | 1/2 | 127,783 | 1/2 | 137,199 | 1/2 | 146,350 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,945 | 3/4 | 118,532 | 3/4 | 127,980 | 3/4 | 137,395 | 3/4 | 146,479 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 109,169 | 5 | 118,729 | 5 | 128,176 | 5 | 137,592 | 5 | 146,607 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 109,393 | 1/4 | 118,926 | 1/4 | 128,373 | 1/4 | 137,788 | 1/4 | 146,698 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 109,617 | 1/2 | 119,123 | 1/2 | 128,569 | 1/2 | 137,985 | 1/2 | 146,789 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 109,841 | 3/4 | 119,320 | 3/4 | 128,766 | 3/4 | 138,181 | 3/4 | 146,880 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 110,065 | 6 | 119,517 | 6 | 128,962 | 6 | 138,378 | 6 | 146,971 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 110,262 | 1/4 | 119,714 | 1/4 | 129,158 | 1/4 | 138,574 | 1/4 | 147,024 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 110,458 | 1/2 | 119,911 | 1/2 | 129,354 | 1/2 | 138,771 | 1/2 | 147,078 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 110,655 | 3/4 | 120,108 | 3/4 | 129,550 | 3/4 | 138,967 | 3/4 | 147,131 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 110,852 | 7 | 120,305 | 7 | 129,745 | 7 | 139,164 | 7 | 147,185 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 111,049 | 1/4 | 120,502 | 1/4 | 129,941 | 1/4 | 139,360 | 1/4 | 147,201 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 111,246 | 1/2 | 120,699 | 1/2 | 130,137 | 1/2 | 139,557 | 1/2 | 147,217 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 111,443 | 3/4 | 120,896 | 3/4 | 130,333 | 3/4 | 139,753 | 3/4 | 147,233 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 111,639 | 8 | 121,093 | 8 | 130,529 | 8 | 139,950 | 8 | 147,249 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 111,836 | 1/4 | 121,290 | 1/4 | 130,724 | 1/4 | 140,144 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 112,033 | 1/2 | 121,488 | 1/2 | 130,920 | 1/2 | 140,339 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 112,230 | 3/4 | 121,685 | 3/4 | 131,116 | 3/4 | 140,533 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 112,427 | 9 | 121,882 | 9 | 131,312 | 9 | 140,728 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 112,623 | 1/4 | 122,079 | 1/4 | 131,508 | 1/4 | 140,922 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 112,820 | 1/2 | 122,276 | 1/2 | 131,704 | 1/2 | 141,116 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,017 | 3/4 | 122,473 | 3/4 | 131,899 | 3/4 | 141,311 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 113,214 | 10 | 122,670 | 10 | 132,095 | 10 | 141,505 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 113,411 | 1/4 | 122,867 | 1/4 | 132,291 | 1/4 | 141,700 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 113,608 | 1/2 | 123,064 | 1/2 | 132,487 | 1/2 | 141,894 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,804 | 3/4 | 123,261 | 3/4 | 132,683 | 3/4 | 142,089 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 114,001 | 11 | 123,458 | 11 | 132,878 | 11 | 142,283 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 114,198 | 1/4 | 123,655 | 1/4 | 133,074 | 1/4 | 142,478 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 114,395 | 1/2 | 123,852 | 1/2 | 133,270 | 1/2 | 142,672 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 114,592 | 3/4 | 124,049 | 3/4 | 133,466 | 3/4 | 142,866 | 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: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "CBC 1361"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 39 | 0 | 9,059 | 0 | 21,143 | 0 | 33,081 | 0 | 45,019 | 0 | 57,104 | 0 | 69,189 | 0 | 81,274 | 0 | 93,359 | 0 | 105,442 |
| 1/4 | 60 | 1/4 | 9,310 | 1/4 | 21,395 | 1/4 | 33,325 | 1/4 | 45,271 | 1/4 | 57,356 | 1/4 | 69,441 | 1/4 | 81,526 | 1/4 | 93,611 | 1/4 | 105,693 |
| 1/2 | 81 | 1/2 | 9,562 | 1/2 | 21,647 | 1/2 | 33,570 | 1/2 | 45,522 | 1/2 | 57,607 | 1/2 | 69,692 | 1/2 | 81,777 | 1/2 | 93,862 | 1/2 | 105,945 |
| 3/4 | 102 | 3/4 | 9,814 | 3/4 | 21,899 | 3/4 | 33,814 | 3/4 | 45,774 | 3/4 | 57,859 | 3/4 | 69,944 | 3/4 | 82,029 | 3/4 | 94,114 | 3/4 | 106,197 |
| 1 | 123 | 1 | 10,066 | 1 | 22,150 | 1 | 34,058 | 1 | 46,026 | 1 | 58,111 | 1 | 70,196 | 1 | 82,281 | 1 | 94,366 | 1 | 106,449 |
| 1/4 | 186 | 1/4 | 10,317 | 1/4 | 22,402 | 1/4 | 34,303 | 1/4 | 46,278 | 1/4 | 58,363 | 1/4 | 70,448 | 1/4 | 82,533 | 1/4 | 94,617 | 1/4 | 106,700 |
| 1/2 | 249 | 1/2 | 10,569 | 1/2 | 22,654 | 1/2 | 34,547 | 1/2 | 46,529 | 1/2 | 58,614 | 1/2 | 70,699 | 1/2 | 82,784 | 1/2 | 94,869 | 1/2 | 106,952 |
| 3/4 | 312 | 3/4 | 10,821 | 3/4 | 22,906 | 3/4 | 34,791 | 3/4 | 46,781 | 3/4 | 58,866 | 3/4 | 70,951 | 3/4 | 83,036 | 3/4 | 95,121 | 3/4 | 107,204 |
| 2 | 375 | 2 | 11,073 | 2 | 23,157 | 2 | 35,036 | 2 | 47,033 | 2 | 59,118 | 2 | 71,203 | 2 | 83,288 | 2 | 95,373 | 2 | 107,456 |
| 1/4 | 480 | 1/4 | 11,325 | 1/4 | 23,409 | 1/4 | 35,280 | 1/4 | 47,285 | 1/4 | 59,370 | 1/4 | 71,455 | 1/4 | 83,540 | 1/4 | 95,624 | 1/4 | 107,707 |
| 1/2 | 585 | 1/2 | 11,576 | 1/2 | 23,661 | 1/2 | 35,524 | 1/2 | 47,537 | 1/2 | 59,622 | 1/2 | 71,707 | 1/2 | 83,792 | 1/2 | 95,876 | 1/2 | 107,959 |
| 3/4 | 690 | 3/4 | 11,828 | 3/4 | 23,913 | 3/4 | 35,769 | 3/4 | 47,788 | 3/4 | 59,873 | 3/4 | 71,958 | 3/4 | 84,043 | 3/4 | 96,128 | 3/4 | 108,211 |
| 3 | 795 | 3 | 12,080 | 3 | 24,164 | 3 | 36,013 | 3 | 48,040 | 3 | 60,125 | 3 | 72,210 | 3 | 84,295 | 3 | 96,380 | 3 | 108,462 |
| 1/4 | 941 | 1/4 | 12,332 | 1/4 | 24,416 | 1/4 | 36,257 | 1/4 | 48,292 | 1/4 | 60,377 | 1/4 | 72,462 | 1/4 | 84,547 | 1/4 | 96,631 | 1/4 | 108,714 |
| 1/2 | 1,088 | 1/2 | 12,583 | 1/2 | 24,668 | 1/2 | 36,502 | 1/2 | 48,544 | 1/2 | 60,629 | 1/2 | 72,714 | 1/2 | 84,799 | 1/2 | 96,883 | 1/2 | 108,966 |
| 3/4 | 1,235 | 3/4 | 12,835 | 3/4 | 24,920 | 3/4 | 36,746 | 3/4 | 48,795 | 3/4 | 60,880 | 3/4 | 72,965 | 3/4 | 85,050 | 3/4 | 97,135 | 3/4 | 109,218 |
| 4 | 1,382 | 4 | 13,087 | 4 | 25,171 | 4 | 36,990 | 4 | 49,047 | 4 | 61,132 | 4 | 73,217 | 4 | 85,302 | 4 | 97,386 | 4 | 109,469 |
| 1/4 | 1,571 | 1/4 | 13,339 | 1/4 | 25,423 | 1/4 | 37,235 | 1/4 | 49,299 | 1/4 | 61,384 | 1/4 | 73,469 | 1/4 | 85,554 | 1/4 | 97,638 | 1/4 | 109,721 |
| 1/2 | 1,760 | 1/2 | 13,590 | 1/2 | 25,675 | 1/2 | 37,480 | 1/2 | 49,551 | 1/2 | 61,636 | 1/2 | 73,721 | 1/2 | 85,806 | 1/2 | 97,890 | 1/2 | 109,973 |
| 3/4 | 1,948 | 3/4 | 13,842 | 3/4 | 25,927 | 3/4 | 37,725 | 3/4 | 49,803 | 3/4 | 61,887 | 3/4 | 73,972 | 3/4 | 86,057 | 3/4 | 98,142 | 3/4 | 110,225 |
| 5 | 2,137 | 5 | 14,094 | 5 | 26,178 | 5 | 37,969 | 5 | 50,054 | 5 | 62,139 | 5 | 74,224 | 5 | 86,309 | 5 | 98,393 | 5 | 110,476 |
| 1/4 | 2,367 | 1/4 | 14,346 | 1/4 | 26,430 | 1/4 | 38,221 | 1/4 | 50,306 | 1/4 | 62,391 | 1/4 | 74,476 | 1/4 | 86,561 | 1/4 | 98,645 | 1/4 | 110,728 |
| 1/2 | 2,597 | 1/2 | 14,597 | 1/2 | 26,682 | 1/2 | 38,473 | 1/2 | 50,558 | 1/2 | 62,643 | 1/2 | 74,728 | 1/2 | 86,813 | 1/2 | 98,897 | 1/2 | 110,980 |
| 3/4 | 2,828 | 3/4 | 14,849 | 3/4 | 26,934 | 3/4 | 38,725 | 3/4 | 50,810 | 3/4 | 62,895 | 3/4 | 74,980 | 3/4 | 87,065 | 3/4 | 99,149 | 3/4 | 111,231 |
| 6 | 3,058 | 6 | 15,101 | 6 | 27,186 | 6 | 38,976 | 6 | 51,061 | 6 | 63,146 | 6 | 75,231 | 6 | 87,316 | 6 | 99,400 | 6 | 111,483 |
| 1/4 | 3,304 | 1/4 | 15,353 | 1/4 | 27,437 | 1/4 | 39,228 | 1/4 | 51,313 | 1/4 | 63,398 | 1/4 | 75,483 | 1/4 | 87,568 | 1/4 | 99,652 | 1/4 | 111,735 |
| 1/2 | 3,551 | 1/2 | 15,604 | 1/2 | 27,689 | 1/2 | 39,480 | 1/2 | 51,565 | 1/2 | 63,650 | 1/2 | 75,735 | 1/2 | 87,820 | 1/2 | 99,904 | 1/2 | 111,987 |
| 3/4 | 3,798 | 3/4 | 15,856 | 3/4 | 27,941 | 3/4 | 39,732 | 3/4 | 51,817 | 3/4 | 63,902 | 3/4 | 75,987 | 3/4 | 88,072 | 3/4 | 100,155 | 3/4 | 112,238 |
| 7 | 4,045 | 7 | 16,108 | 7 | 28,193 | 7 | 39,983 | 7 | 52,068 | 7 | 64,153 | 7 | 76,238 | 7 | 88,323 | 7 | 100,407 | 7 | 112,490 |
| 1/4 | 4,294 | 1/4 | 16,360 | 1/4 | 28,437 | 1/4 | 40,235 | 1/4 | 52,320 | 1/4 | 64,405 | 1/4 | 76,490 | 1/4 | 88,575 | 1/4 | 100,659 | 1/4 | 112,742 |
| 1/2 | 4,543 | 1/2 | 16,612 | 1/2 | 28,682 | 1/2 | 40,487 | 1/2 | 52,572 | 1/2 | 64,657 | 1/2 | 76,742 | 1/2 | 88,827 | 1/2 | 100,911 | 1/2 | 112,994 |
| 3/4 | 4,792 | 3/4 | 16,863 | 3/4 | 28,927 | 3/4 | 40,739 | 3/4 | 52,824 | 3/4 | 64,909 | 3/4 | 76,994 | 3/4 | 89,079 | 3/4 | 101,162 | 3/4 | 113,245 |
| 8 | 5,040 | 8 | 17,115 | 8 | 29,171 | 8 | 40,991 | 8 | 53,076 | 8 | 65,161 | 8 | 77,245 | 8 | 89,330 | 8 | 101,414 | 8 | 113,497 |
| 1/4 | 5,291 | 1/4 | 17,367 | 1/4 | 29,416 | 1/4 | 41,242 | 1/4 | 53,327 | 1/4 | 65,412 | 1/4 | 77,497 | 1/4 | 89,582 | 1/4 | 101,666 | 1/4 | 113,749 |
| 1/2 | 5,541 | 1/2 | 17,619 | 1/2 | 29,660 | 1/2 | 41,494 | 1/2 | 53,579 | 1/2 | 65,664 | 1/2 | 77,749 | 1/2 | 89,834 | 1/2 | 101,918 | 1/2 | 114,000 |
| 3/4 | 5,791 | 3/4 | 17,870 | 3/4 | 29,904 | 3/4 | 41,746 | 3/4 | 53,831 | 3/4 | 65,916 | 3/4 | 78,001 | 3/4 | 90,086 | 3/4 | 102,169 | 3/4 | 114,252 |
| 9 | 6,041 | 9 | 18,122 | 9 | 30,149 | 9 | 41,998 | 9 | 54,083 | 9 | 66,168 | 9 | 78,253 | 9 | 90,338 | 9 | 102,421 | 9 | 114,504 |
| 1/4 | 6,292 | 1/4 | 18,374 | 1/4 | 30,393 | 1/4 | 42,249 | 1/4 | 54,334 | 1/4 | 66,419 | 1/4 | 78,504 | 1/4 | 90,589 | 1/4 | 102,673 | 1/4 | 114,756 |
| 1/2 | 6,543 | 1/2 | 18,626 | 1/2 | 30,637 | 1/2 | 42,501 | 1/2 | 54,586 | 1/2 | 66,671 | 1/2 | 78,756 | 1/2 | 90,841 | 1/2 | 102,924 | 1/2 | 115,007 |
| 3/4 | 6,795 | 3/4 | 18,877 | 3/4 | 30,882 | 3/4 | 42,753 | 3/4 | 54,838 | 3/4 | 66,923 | 3/4 | 79,008 | 3/4 | 91,093 | 3/4 | 103,176 | 3/4 | 115,259 |
| 10 | 7,046 | 10 | 19,129 | 10 | 31,126 | 10 | 43,005 | 10 | 55,090 | 10 | 67,175 | 10 | 79,260 | 10 | 91,345 | 10 | 103,428 | 10 | 115,511 |
| 1/4 | 7,297 | 1/4 | 19,381 | 1/4 | 31,370 | 1/4 | 43,256 | 1/4 | 55,341 | 1/4 | 67,426 | 1/4 | 79,511 | 1/4 | 91,596 | 1/4 | 103,680 | 1/4 | 115,762 |
| 1/2 | 7,549 | 1/2 | 19,633 | 1/2 | 31,615 | 1/2 | 43,508 | 1/2 | 55,593 | 1/2 | 67,678 | 1/2 | 79,763 | 1/2 | 91,848 | 1/2 | 103,931 | 1/2 | 116,014 |
| 3/4 | 7,800 | 3/4 | 19,884 | 3/4 | 31,859 | 3/4 | 43,760 | 3/4 | 55,845 | 3/4 | 67,930 | 3/4 | 80,015 | 3/4 | 92,100 | 3/4 | 104,183 | 3/4 | 116,266 |
| 11 | 8,052 | 11 | 20,136 | 11 | 32,104 | 11 | 44,012 | 11 | 56,097 | 11 | 68,182 | 11 | 80,267 | 11 | 92,352 | 11 | 104,435 | 11 | 116,518 |
| 1/4 | 8,303 | 1/4 | 20,388 | 1/4 | 32,348 | 1/4 | 44,264 | 1/4 | 56,349 | 1/4 | 68,434 | 1/4 | 80,518 | 1/4 | 92,603 | 1/4 | 104,687 | 1/4 | 116,769 |
| 1/2 | 8,555 | 1/2 | 20,640 | 1/2 | 32,592 | 1/2 | 44,515 | 1/2 | 56,600 | 1/2 | 68,685 | 1/2 | 80,770 | 1/2 | 92,855 | 1/2 | 104,938 | 1/2 | 117,021 |
| 3/4 | 8,807 | 3/4 | 20,891 | 3/4 | 32,837 | 3/4 | 44,767 | 3/4 | 56,852 | 3/4 | 68,937 | 3/4 | 81,022 | 3/4 | 93,107 | 3/4 | 105,190 | 3/4 | 117,273 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1361"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 117,525 | 0 | 129,607 | 0 | 141,690 | 0 | 153,706 | 0 | 165,685 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 117,776 | 1/4 | 129,859 | 1/4 | 141,941 | 1/4 | 153,956 | 1/4 | 165,933 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 118,028 | 1/2 | 130,111 | 1/2 | 142,191 | 1/2 | 154,207 | 1/2 | 166,181 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 118,280 | 3/4 | 130,363 | 3/4 | 142,441 | 3/4 | 154,457 | 3/4 | 166,429 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 118,531 | 1 | 130,614 | 1 | 142,692 | 1 | 154,707 | 1 | 166,677 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 118,783 | 1/4 | 130,866 | 1/4 | 142,942 | 1/4 | 154,958 | 1/4 | 166,925 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 119,035 | 1/2 | 131,118 | 1/2 | 143,192 | 1/2 | 155,208 | 1/2 | 167,173 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 119,287 | 3/4 | 131,370 | 3/4 | 143,443 | 3/4 | 155,458 | 3/4 | 167,421 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 119,538 | 2 | 131,621 | 2 | 143,693 | 2 | 155,709 | 2 | 167,669 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 119,790 | 1/4 | 131,873 | 1/4 | 143,943 | 1/4 | 155,959 | 1/4 | 167,896 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 120,042 | 1/2 | 132,125 | 1/2 | 144,194 | 1/2 | 156,209 | 1/2 | 168,123 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 120,294 | 3/4 | 132,376 | 3/4 | 144,444 | 3/4 | 156,460 | 3/4 | 168,350 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 120,545 | 3 | 132,628 | 3 | 144,694 | 3 | 156,710 | 3 | 168,577 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 120,797 | 1/4 | 132,880 | 1/4 | 144,945 | 1/4 | 156,960 | 1/4 | 168,762 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 121,049 | 1/2 | 133,132 | 1/2 | 145,195 | 1/2 | 157,211 | 1/2 | 168,947 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 121,300 | 3/4 | 133,383 | 3/4 | 145,445 | 3/4 | 157,461 | 3/4 | 169,132 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 121,552 | 4 | 133,635 | 4 | 145,696 | 4 | 157,711 | 4 | 169,317 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 121,804 | 1/4 | 133,887 | 1/4 | 145,946 | 1/4 | 157,962 | 1/4 | 169,460 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 122,056 | 1/2 | 134,139 | 1/2 | 146,196 | 1/2 | 158,212 | 1/2 | 169,604 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 122,307 | 3/4 | 134,390 | 3/4 | 146,447 | 3/4 | 158,462 | 3/4 | 169,747 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 122,559 | 5 | 134,642 | 5 | 146,697 | 5 | 158,713 | 5 | 169,890 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 122,811 | 1/4 | 134,894 | 1/4 | 146,947 | 1/4 | 158,963 | 1/4 | 169,991 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 123,063 | 1/2 | 135,145 | 1/2 | 147,198 | 1/2 | 159,213 | 1/2 | 170,092 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 123,314 | 3/4 | 135,397 | 3/4 | 147,448 | 3/4 | 159,464 | 3/4 | 170,193 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 123,566 | 6 | 135,649 | 6 | 147,698 | 6 | 159,714 | 6 | 170,294 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 123,818 | 1/4 | 135,901 | 1/4 | 147,949 | 1/4 | 159,964 | 1/4 | 170,354 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 124,069 | 1/2 | 136,152 | 1/2 | 148,199 | 1/2 | 160,215 | 1/2 | 170,413 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 124,321 | 3/4 | 136,404 | 3/4 | 148,449 | 3/4 | 160,465 | 3/4 | 170,472 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 124,573 | 7 | 136,656 | 7 | 148,700 | 7 | 160,715 | 7 | 170,531 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 124,825 | 1/4 | 136,908 | 1/4 | 148,950 | 1/4 | 160,966 | 1/4 | 170,548 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 125,076 | 1/2 | 137,159 | 1/2 | 149,200 | 1/2 | 161,216 | 1/2 | 170,566 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 125,328 | 3/4 | 137,411 | 3/4 | 149,451 | 3/4 | 161,466 | 3/4 | 170,583 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 125,580 | 8 | 137,663 | 8 | 149,701 | 8 | 161,717 | 8 | 170,600 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 125,832 | 1/4 | 137,914 | 1/4 | 149,951 | 1/4 | 161,965 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 126,083 | 1/2 | 138,166 | 1/2 | 150,202 | 1/2 | 162,213 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 126,335 | 3/4 | 138,418 | 3/4 | 150,452 | 3/4 | 162,461 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 126,587 | 9 | 138,670 | 9 | 150,702 | 9 | 162,709 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 126,838 | 1/4 | 138,921 | 1/4 | 150,953 | 1/4 | 162,957 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 127,090 | 1/2 | 139,173 | 1/2 | 151,203 | 1/2 | 163,205 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 127,342 | 3/4 | 139,425 | 3/4 | 151,453 | 3/4 | 163,453 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 127,594 | 10 | 139,677 | 10 | 151,703 | 10 | 163,701 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 127,845 | 1/4 | 139,928 | 1/4 | 151,954 | 1/4 | 163,949 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 128,097 | 1/2 | 140,180 | 1/2 | 152,204 | 1/2 | 164,197 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 128,349 | 3/4 | 140,432 | 3/4 | 152,454 | 3/4 | 164,445 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 128,601 | 11 | 140,683 | 11 | 152,705 | 11 | 164,693 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 128,852 | 1/4 | 140,935 | 1/4 | 152,955 | 1/4 | 164,941 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,104 | 1/2 | 141,187 | 1/2 | 153,205 | 1/2 | 165,189 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,356 | 3/4 | 141,439 | 3/4 | 153,456 | 3/4 | 165,437 | 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: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "CBC 1361"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 39 | 0 | 8,057 | 0 | 18,799 | 0 | 29,527 | 0 | 40,258 | 0 | 51,001 | 0 | 61,744 | 0 | 72,486 | 0 | 83,229 | 0 | 93,970 |
| 1/4 | 58 | 1/4 | 8,281 | 1/4 | 19,023 | 1/4 | 29,750 | 1/4 | 40,482 | 1/4 | 51,225 | 1/4 | 61,967 | 1/4 | 72,710 | 1/4 | 83,453 | 1/4 | 94,194 |
| 1/2 | 77 | 1/2 | 8,504 | 1/2 | 19,247 | 1/2 | 29,973 | 1/2 | 40,706 | 1/2 | 51,449 | 1/2 | 62,191 | 1/2 | 72,934 | 1/2 | 83,677 | 1/2 | 94,417 |
| 3/4 | 95 | 3/4 | 8,728 | 3/4 | 19,471 | 3/4 | 30,196 | 3/4 | 40,930 | 3/4 | 51,672 | 3/4 | 62,415 | 3/4 | 73,158 | 3/4 | 83,900 | 3/4 | 94,641 |
| 1 | 114 | 1 | 8,952 | 1 | 19,694 | 1 | 30,419 | 1 | 41,154 | 1 | 51,896 | 1 | 62,639 | 1 | 73,382 | 1 | 84,124 | 1 | 94,865 |
| 1/4 | 170 | 1/4 | 9,176 | 1/4 | 19,918 | 1/4 | 30,643 | 1/4 | 41,377 | 1/4 | 52,120 | 1/4 | 62,863 | 1/4 | 73,605 | 1/4 | 84,348 | 1/4 | 95,089 |
| 1/2 | 226 | 1/2 | 9,400 | 1/2 | 20,142 | 1/2 | 30,866 | 1/2 | 41,601 | 1/2 | 52,344 | 1/2 | 63,086 | 1/2 | 73,829 | 1/2 | 84,572 | 1/2 | 95,312 |
| 3/4 | 282 | 3/4 | 9,623 | 3/4 | 20,366 | 3/4 | 31,089 | 3/4 | 41,825 | 3/4 | 52,568 | 3/4 | 63,310 | 3/4 | 74,053 | 3/4 | 84,795 | 3/4 | 95,536 |
| 2 | 338 | 2 | 9,847 | 2 | 20,589 | 2 | 31,312 | 2 | 42,049 | 2 | 52,791 | 2 | 63,534 | 2 | 74,277 | 2 | 85,019 | 2 | 95,760 |
| 1/4 | 431 | 1/4 | 10,071 | 1/4 | 20,813 | 1/4 | 31,535 | 1/4 | 42,273 | 1/4 | 53,015 | 1/4 | 63,758 | 1/4 | 74,501 | 1/4 | 85,243 | 1/4 | 95,984 |
| 1/2 | 524 | 1/2 | 10,295 | 1/2 | 21,037 | 1/2 | 31,758 | 1/2 | 42,496 | 1/2 | 53,239 | 1/2 | 63,982 | 1/2 | 74,724 | 1/2 | 85,467 | 1/2 | 96,207 |
| 3/4 | 617 | 3/4 | 10,519 | 3/4 | 21,261 | 3/4 | 31,981 | 3/4 | 42,720 | 3/4 | 53,463 | 3/4 | 64,205 | 3/4 | 74,948 | 3/4 | 85,690 | 3/4 | 96,431 |
| 3 | 711 | 3 | 10,742 | 3 | 21,485 | 3 | 32,204 | 3 | 42,944 | 3 | 53,687 | 3 | 64,429 | 3 | 75,172 | 3 | 85,914 | 3 | 96,655 |
| 1/4 | 841 | 1/4 | 10,966 | 1/4 | 21,708 | 1/4 | 32,427 | 1/4 | 43,168 | 1/4 | 53,910 | 1/4 | 64,653 | 1/4 | 75,396 | 1/4 | 86,138 | 1/4 | 96,879 |
| 1/2 | 972 | 1/2 | 11,190 | 1/2 | 21,932 | 1/2 | 32,650 | 1/2 | 43,392 | 1/2 | 54,134 | 1/2 | 64,877 | 1/2 | 75,620 | 1/2 | 86,362 | 1/2 | 97,103 |
| 3/4 | 1,102 | 3/4 | 11,414 | 3/4 | 22,156 | 3/4 | 32,873 | 3/4 | 43,615 | 3/4 | 54,358 | 3/4 | 65,101 | 3/4 | 75,843 | 3/4 | 86,585 | 3/4 | 97,326 |
| 4 | 1,233 | 4 | 11,638 | 4 | 22,380 | 4 | 33,097 | 4 | 43,839 | 4 | 54,582 | 4 | 65,325 | 4 | 76,067 | 4 | 86,809 | 4 | 97,550 |
| 1/4 | 1,401 | 1/4 | 11,861 | 1/4 | 22,604 | 1/4 | 33,320 | 1/4 | 44,063 | 1/4 | 54,806 | 1/4 | 65,548 | 1/4 | 76,291 | 1/4 | 87,033 | 1/4 | 97,774 |
| 1/2 | 1,569 | 1/2 | 12,085 | 1/2 | 22,827 | 1/2 | 33,544 | 1/2 | 44,287 | 1/2 | 55,029 | 1/2 | 65,772 | 1/2 | 76,515 | 1/2 | 87,257 | 1/2 | 97,998 |
| 3/4 | 1,736 | 3/4 | 12,309 | 3/4 | 23,051 | 3/4 | 33,768 | 3/4 | 44,511 | 3/4 | 55,253 | 3/4 | 65,996 | 3/4 | 76,739 | 3/4 | 87,481 | 3/4 | 98,221 |
| 5 | 1,904 | 5 | 12,533 | 5 | 23,275 | 5 | 33,992 | 5 | 44,734 | 5 | 55,477 | 5 | 66,220 | 5 | 76,962 | 5 | 87,704 | 5 | 98,445 |
| 1/4 | 2,109 | 1/4 | 12,757 | 1/4 | 23,499 | 1/4 | 34,216 | 1/4 | 44,958 | 1/4 | 55,701 | 1/4 | 66,444 | 1/4 | 77,186 | 1/4 | 87,928 | 1/4 | 98,669 |
| 1/2 | 2,313 | 1/2 | 12,980 | 1/2 | 23,723 | 1/2 | 34,439 | 1/2 | 45,182 | 1/2 | 55,925 | 1/2 | 66,667 | 1/2 | 77,410 | 1/2 | 88,152 | 1/2 | 98,893 |
| 3/4 | 2,518 | 3/4 | 13,204 | 3/4 | 23,946 | 3/4 | 34,663 | 3/4 | 45,406 | 3/4 | 56,149 | 3/4 | 66,891 | 3/4 | 77,634 | 3/4 | 88,376 | 3/4 | 99,116 |
| 6 | 2,722 | 6 | 13,428 | 6 | 24,170 | 6 | 34,887 | 6 | 45,630 | 6 | 56,372 | 6 | 67,115 | 6 | 77,858 | 6 | 88,599 | 6 | 99,340 |
| 1/4 | 2,942 | 1/4 | 13,652 | 1/4 | 24,394 | 1/4 | 35,111 | 1/4 | 45,853 | 1/4 | 56,596 | 1/4 | 67,339 | 1/4 | 78,081 | 1/4 | 88,823 | 1/4 | 99,564 |
| 1/2 | 3,161 | 1/2 | 13,876 | 1/2 | 24,617 | 1/2 | 35,335 | 1/2 | 46,077 | 1/2 | 56,820 | 1/2 | 67,563 | 1/2 | 78,305 | 1/2 | 89,047 | 1/2 | 99,788 |
| 3/4 | 3,381 | 3/4 | 14,099 | 3/4 | 24,841 | 3/4 | 35,558 | 3/4 | 46,301 | 3/4 | 57,044 | 3/4 | 67,786 | 3/4 | 78,529 | 3/4 | 89,271 | 3/4 | 100,012 |
| 7 | 3,600 | 7 | 14,323 | 7 | 25,064 | 7 | 35,782 | 7 | 46,525 | 7 | 57,268 | 7 | 68,010 | 7 | 78,753 | 7 | 89,494 | 7 | 100,235 |
| 1/4 | 3,821 | 1/4 | 14,547 | 1/4 | 25,287 | 1/4 | 36,006 | 1/4 | 46,749 | 1/4 | 57,491 | 1/4 | 68,234 | 1/4 | 78,977 | 1/4 | 89,718 | 1/4 | 100,459 |
| 1/2 | 4,042 | 1/2 | 14,771 | 1/2 | 25,511 | 1/2 | 36,230 | 1/2 | 46,972 | 1/2 | 57,715 | 1/2 | 68,458 | 1/2 | 79,200 | 1/2 | 89,942 | 1/2 | 100,683 |
| 3/4 | 4,264 | 3/4 | 14,995 | 3/4 | 25,734 | 3/4 | 36,454 | 3/4 | 47,196 | 3/4 | 57,939 | 3/4 | 68,682 | 3/4 | 79,424 | 3/4 | 90,166 | 3/4 | 100,907 |
| 8 | 4,485 | 8 | 15,218 | 8 | 25,958 | 8 | 36,677 | 8 | 47,420 | 8 | 58,163 | 8 | 68,905 | 8 | 79,648 | 8 | 90,390 | 8 | 101,130 |
| 1/4 | 4,707 | 1/4 | 15,442 | 1/4 | 26,181 | 1/4 | 36,901 | 1/4 | 47,644 | 1/4 | 58,387 | 1/4 | 69,129 | 1/4 | 79,872 | 1/4 | 90,613 | 1/4 | 101,354 |
| 1/2 | 4,930 | 1/2 | 15,666 | 1/2 | 26,404 | 1/2 | 37,125 | 1/2 | 47,868 | 1/2 | 58,610 | 1/2 | 69,353 | 1/2 | 80,096 | 1/2 | 90,837 | 1/2 | 101,578 |
| 3/4 | 5,152 | 3/4 | 15,890 | 3/4 | 26,627 | 3/4 | 37,349 | 3/4 | 48,092 | 3/4 | 58,834 | 3/4 | 69,577 | 3/4 | 80,319 | 3/4 | 91,061 | 3/4 | 101,802 |
| 9 | 5,375 | 9 | 16,114 | 9 | 26,850 | 9 | 37,573 | 9 | 48,315 | 9 | 59,058 | 9 | 69,801 | 9 | 80,543 | 9 | 91,285 | 9 | 102,025 |
| 1/4 | 5,598 | 1/4 | 16,337 | 1/4 | 27,073 | 1/4 | 37,796 | 1/4 | 48,539 | 1/4 | 59,282 | 1/4 | 70,024 | 1/4 | 80,767 | 1/4 | 91,508 | 1/4 | 102,249 |
| 1/2 | 5,821 | 1/2 | 16,561 | 1/2 | 27,296 | 1/2 | 38,020 | 1/2 | 48,763 | 1/2 | 59,506 | 1/2 | 70,248 | 1/2 | 80,991 | 1/2 | 91,732 | 1/2 | 102,473 |
| 3/4 | 6,044 | 3/4 | 16,785 | 3/4 | 27,519 | 3/4 | 38,244 | 3/4 | 48,987 | 3/4 | 59,729 | 3/4 | 70,472 | 3/4 | 81,215 | 3/4 | 91,956 | 3/4 | 102,697 |
| 10 | 6,267 | 10 | 17,009 | 10 | 27,742 | 10 | 38,468 | 10 | 49,211 | 10 | 59,953 | 10 | 70,696 | 10 | 81,439 | 10 | 92,180 | 10 | 102,921 |
| 1/4 | 6,491 | 1/4 | 17,233 | 1/4 | 27,966 | 1/4 | 38,692 | 1/4 | 49,434 | 1/4 | 60,177 | 1/4 | 70,920 | 1/4 | 81,662 | 1/4 | 92,403 | 1/4 | 103,144 |
| 1/2 | 6,715 | 1/2 | 17,456 | 1/2 | 28,189 | 1/2 | 38,915 | 1/2 | 49,658 | 1/2 | 60,401 | 1/2 | 71,143 | 1/2 | 81,886 | 1/2 | 92,627 | 1/2 | 103,368 |
| 3/4 | 6,938 | 3/4 | 17,680 | 3/4 | 28,412 | 3/4 | 39,139 | 3/4 | 49,882 | 3/4 | 60,625 | 3/4 | 71,367 | 3/4 | 82,110 | 3/4 | 92,851 | 3/4 | 103,592 |
| 11 | 7,162 | 11 | 17,904 | 11 | 28,635 | 11 | 39,363 | 11 | 50,106 | 11 | 60,848 | 11 | 71,591 | 11 | 82,334 | 11 | 93,075 | 11 | 103,816 |
| 1/4 | 7,386 | 1/4 | 18,128 | 1/4 | 28,858 | 1/4 | 39,587 | 1/4 | 50,330 | 1/4 | 61,072 | 1/4 | 71,815 | 1/4 | 82,558 | 1/4 | 93,299 | 1/4 | 104,039 |
| 1/2 | 7,609 | 1/2 | 18,352 | 1/2 | 29,081 | 1/2 | 39,811 | 1/2 | 50,553 | 1/2 | 61,296 | 1/2 | 72,039 | 1/2 | 82,781 | 1/2 | 93,522 | 1/2 | 104,263 |
| 3/4 | 7,833 | 3/4 | 18,575 | 3/4 | 29,304 | 3/4 | 40,035 | 3/4 | 50,777 | 3/4 | 61,520 | 3/4 | 72,262 | 3/4 | 83,005 | 3/4 | 93,746 | 3/4 | 104,487 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1361"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 104,711 | 0 | 115,452 | 0 | 126,192 | 0 | 136,874 | 0 | 147,523 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 104,934 | 1/4 | 115,675 | 1/4 | 126,415 | 1/4 | 137,097 | 1/4 | 147,744 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 105,158 | 1/2 | 115,899 | 1/2 | 126,637 | 1/2 | 137,319 | 1/2 | 147,964 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 105,382 | 3/4 | 116,123 | 3/4 | 126,860 | 3/4 | 137,542 | 3/4 | 148,185 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 105,606 | 1 | 116,347 | 1 | 127,083 | 1 | 137,764 | 1 | 148,405 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 105,829 | 1/4 | 116,570 | 1/4 | 127,305 | 1/4 | 137,987 | 1/4 | 148,626 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,053 | 1/2 | 116,794 | 1/2 | 127,528 | 1/2 | 138,210 | 1/2 | 148,846 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 106,277 | 3/4 | 117,018 | 3/4 | 127,750 | 3/4 | 138,432 | 3/4 | 149,067 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 106,501 | 2 | 117,242 | 2 | 127,973 | 2 | 138,655 | 2 | 149,287 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 106,725 | 1/4 | 117,465 | 1/4 | 128,195 | 1/4 | 138,877 | 1/4 | 149,489 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,948 | 1/2 | 117,689 | 1/2 | 128,418 | 1/2 | 139,100 | 1/2 | 149,691 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 107,172 | 3/4 | 117,913 | 3/4 | 128,640 | 3/4 | 139,322 | 3/4 | 149,893 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 107,396 | 3 | 118,137 | 3 | 128,863 | 3 | 139,545 | 3 | 150,095 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 107,620 | 1/4 | 118,360 | 1/4 | 129,085 | 1/4 | 139,767 | 1/4 | 150,259 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 107,843 | 1/2 | 118,584 | 1/2 | 129,308 | 1/2 | 139,990 | 1/2 | 150,424 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,067 | 3/4 | 118,808 | 3/4 | 129,530 | 3/4 | 140,212 | 3/4 | 150,588 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 108,291 | 4 | 119,032 | 4 | 129,753 | 4 | 140,435 | 4 | 150,753 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 108,515 | 1/4 | 119,256 | 1/4 | 129,976 | 1/4 | 140,657 | 1/4 | 150,880 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 108,738 | 1/2 | 119,479 | 1/2 | 130,198 | 1/2 | 140,880 | 1/2 | 151,007 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,962 | 3/4 | 119,703 | 3/4 | 130,421 | 3/4 | 141,103 | 3/4 | 151,134 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 109,186 | 5 | 119,927 | 5 | 130,643 | 5 | 141,325 | 5 | 151,262 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 109,410 | 1/4 | 120,151 | 1/4 | 130,866 | 1/4 | 141,548 | 1/4 | 151,352 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 109,634 | 1/2 | 120,374 | 1/2 | 131,088 | 1/2 | 141,770 | 1/2 | 151,441 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 109,857 | 3/4 | 120,598 | 3/4 | 131,311 | 3/4 | 141,993 | 3/4 | 151,531 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 110,081 | 6 | 120,822 | 6 | 131,533 | 6 | 142,215 | 6 | 151,621 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 110,305 | 1/4 | 121,046 | 1/4 | 131,756 | 1/4 | 142,438 | 1/4 | 151,674 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 110,529 | 1/2 | 121,269 | 1/2 | 131,978 | 1/2 | 142,660 | 1/2 | 151,727 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 110,752 | 3/4 | 121,493 | 3/4 | 132,201 | 3/4 | 142,883 | 3/4 | 151,779 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 110,976 | 7 | 121,717 | 7 | 132,423 | 7 | 143,105 | 7 | 151,832 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 111,200 | 1/4 | 121,941 | 1/4 | 132,646 | 1/4 | 143,328 | 1/4 | 151,847 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 111,424 | 1/2 | 122,165 | 1/2 | 132,869 | 1/2 | 143,551 | 1/2 | 151,863 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 111,647 | 3/4 | 122,388 | 3/4 | 133,091 | 3/4 | 143,773 | 3/4 | 151,878 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 111,871 | 8 | 122,612 | 8 | 133,314 | 8 | 143,996 | 8 | 151,893 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 112,095 | 1/4 | 122,836 | 1/4 | 133,536 | 1/4 | 144,216 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 112,319 | 1/2 | 123,060 | 1/2 | 133,759 | 1/2 | 144,437 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 112,543 | 3/4 | 123,283 | 3/4 | 133,981 | 3/4 | 144,657 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 112,766 | 9 | 123,507 | 9 | 134,204 | 9 | 144,878 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 112,990 | 1/4 | 123,731 | 1/4 | 134,426 | 1/4 | 145,098 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 113,214 | 1/2 | 123,955 | 1/2 | 134,649 | 1/2 | 145,319 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,438 | 3/4 | 124,178 | 3/4 | 134,871 | 3/4 | 145,539 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 113,661 | 10 | 124,402 | 10 | 135,094 | 10 | 145,759 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 113,885 | 1/4 | 124,626 | 1/4 | 135,317 | 1/4 | 145,980 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 114,109 | 1/2 | 124,850 | 1/2 | 135,539 | 1/2 | 146,200 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 114,333 | 3/4 | 125,074 | 3/4 | 135,762 | 3/4 | 146,421 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 114,556 | 11 | 125,297 | 11 | 135,984 | 11 | 146,641 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 114,780 | 1/4 | 125,521 | 1/4 | 136,207 | 1/4 | 146,862 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 115,004 | 1/2 | 125,745 | 1/2 | 136,429 | 1/2 | 147,082 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 115,228 | 3/4 | 125,969 | 3/4 | 136,652 | 3/4 | 147,303 | 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: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "CBC 1361"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 26, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1361"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 140,533 | 0 | 131,116 | 0 | 121,684 | 0 | 112,230 | 0 | 101,775 | 0 | 91,013 | 0 | 80,251 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 140,339 | 1/4 | 130,920 | 1/4 | 121,487 | 1/4 | 112,033 | 1/4 | 101,551 | 1/4 | 90,789 | 1/4 | 80,027 |
| | 1/2 | | 1/2 | | 1/2 | | 140,144 | | 130,724 | | 121,290 | | 111,836 | | 101,327 | | 90,565 | | 79,803 |
| | 3/4 | | 3/4 | | 3/4 | | 147,249 | | 139,950 | | 130,528 | | 121,093 | | 111,639 | | 101,102 | | 90,341 |
| 1 | | 1 | | 1 | | 1 | 147,233 | 1 | 139,753 | 1 | 130,333 | 1 | 120,896 | 1 | 111,442 | 1 | 100,878 | 1 | 90,116 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 147,217 | 1/4 | 139,557 | 1/4 | 130,137 | 1/4 | 120,699 | 1/4 | 111,245 | 1/4 | 100,654 | 1/4 | 89,892 |
| | 1/2 | | 1/2 | | 1/2 | | 147,201 | | 139,360 | | 129,941 | | 120,502 | | 111,049 | | 100,430 | | 89,668 |
| | 3/4 | | 3/4 | | 3/4 | | 147,185 | | 139,164 | | 129,745 | | 120,305 | | 110,852 | | 100,206 | | 89,444 |
| 2 | | 2 | | 2 | | 2 | 147,131 | 2 | 138,967 | 2 | 129,549 | 2 | 120,108 | 2 | 110,655 | 2 | 99,981 | 2 | 89,220 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 147,078 | 1/4 | 138,771 | 1/4 | 129,354 | 1/4 | 119,911 | 1/4 | 110,458 | 1/4 | 99,757 | 1/4 | 88,995 |
| | 1/2 | | 1/2 | | 1/2 | | 147,024 | | 138,574 | | 129,158 | | 119,714 | | 110,261 | | 99,533 | | 88,771 |
| | 3/4 | | 3/4 | | 3/4 | | 146,971 | | 138,378 | | 128,962 | | 119,517 | | 110,065 | | 99,309 | | 88,547 |
| 3 | | 3 | | 3 | | 3 | 146,880 | 3 | 138,181 | 3 | 128,765 | 3 | 119,320 | 3 | 109,841 | 3 | 99,085 | 3 | 88,323 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 146,789 | 1/4 | 137,985 | 1/4 | 128,569 | 1/4 | 119,123 | 1/4 | 109,617 | 1/4 | 98,860 | 1/4 | 88,099 |
| | 1/2 | | 1/2 | | 1/2 | | 146,698 | | 137,788 | | 128,372 | | 118,926 | | 109,393 | | 98,636 | | 87,874 |
| | 3/4 | | 3/4 | | 3/4 | | 146,607 | | 137,592 | | 128,176 | | 118,729 | | 109,169 | | 98,412 | | 87,650 |
| 4 | | 4 | | 4 | | 4 | 146,478 | 4 | 137,395 | 4 | 127,979 | 4 | 118,532 | 4 | 108,945 | 4 | 98,188 | 4 | 87,426 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 146,350 | 1/4 | 137,199 | 1/4 | 127,783 | 1/4 | 118,335 | 1/4 | 108,721 | 1/4 | 97,964 | 1/4 | 87,202 |
| | 1/2 | | 1/2 | | 1/2 | | 146,221 | | 137,002 | | 127,586 | | 118,138 | | 108,497 | | 97,739 | | 86,978 |
| | 3/4 | | 3/4 | | 3/4 | | 146,093 | | 136,806 | | 127,390 | | 117,941 | | 108,273 | | 97,515 | | 86,753 |
| 5 | | 5 | | 5 | | 5 | 145,927 | 5 | 136,609 | 5 | 127,193 | 5 | 117,744 | 5 | 108,049 | 5 | 97,291 | 5 | 86,529 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 145,761 | 1/4 | 136,412 | 1/4 | 126,997 | 1/4 | 117,547 | 1/4 | 107,825 | 1/4 | 97,067 | 1/4 | 86,305 |
| | 1/2 | | 1/2 | | 1/2 | | 145,595 | | 136,216 | | 126,800 | | 117,350 | | 107,601 | | 96,843 | | 86,081 |
| | 3/4 | | 3/4 | | 3/4 | | 145,430 | | 136,019 | | 126,604 | | 117,153 | | 107,377 | | 96,618 | | 85,857 |
| 6 | | 6 | | 6 | | 6 | 145,226 | 6 | 135,823 | 6 | 126,407 | 6 | 116,956 | 6 | 107,153 | 6 | 96,394 | 6 | 85,632 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 145,023 | 1/4 | 135,626 | 1/4 | 126,211 | 1/4 | 116,759 | 1/4 | 106,929 | 1/4 | 96,170 | 1/4 | 85,408 |
| | 1/2 | | 1/2 | | 1/2 | | 144,820 | | 135,430 | | 126,014 | | 116,562 | | 106,705 | | 95,946 | | 85,184 |
| | 3/4 | | 3/4 | | 3/4 | | 144,616 | | 135,233 | | 125,818 | | 116,364 | | 106,481 | | 95,722 | | 84,960 |
| 7 | | 7 | | 7 | | 7 | 144,422 | 7 | 135,037 | 7 | 125,621 | 7 | 116,167 | 7 | 106,257 | 7 | 95,497 | 7 | 84,736 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 144,227 | 1/4 | 134,840 | 1/4 | 125,425 | 1/4 | 115,970 | 1/4 | 106,033 | 1/4 | 95,273 | 1/4 | 84,511 |
| | 1/2 | | 1/2 | | 1/2 | | 144,033 | | 134,644 | | 125,228 | | 115,773 | | 105,809 | | 95,049 | | 84,287 |
| | 3/4 | | 3/4 | | 3/4 | | 143,838 | | 134,447 | | 125,032 | | 115,576 | | 105,585 | | 94,825 | | 84,063 |
| 8 | | 8 | | 8 | | 8 | 143,644 | 8 | 134,251 | 8 | 124,835 | 8 | 115,379 | 8 | 105,362 | 8 | 94,601 | 8 | 83,839 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 143,450 | 1/4 | 134,054 | 1/4 | 124,639 | 1/4 | 115,182 | 1/4 | 105,138 | 1/4 | 94,376 | 1/4 | 83,615 |
| | 1/2 | | 1/2 | | 1/2 | | 143,255 | | 133,858 | | 124,442 | | 114,985 | | 104,914 | | 94,152 | | 83,390 |
| | 3/4 | | 3/4 | | 3/4 | | 143,061 | | 133,661 | | 124,246 | | 114,788 | | 104,690 | | 93,928 | | 83,166 |
| 9 | | 9 | | 9 | | 9 | 142,866 | 9 | 133,466 | 9 | 124,049 | 9 | 114,591 | 9 | 104,465 | 9 | 93,704 | 9 | 82,942 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 142,672 | 1/4 | 133,270 | 1/4 | 123,852 | 1/4 | 114,395 | 1/4 | 104,241 | 1/4 | 93,480 | 1/4 | 82,718 |
| | 1/2 | | 1/2 | | 1/2 | | 142,477 | | 133,074 | | 123,655 | | 114,198 | | 104,017 | | 93,255 | | 82,493 |
| | 3/4 | | 3/4 | | 3/4 | | 142,283 | | 132,878 | | 123,458 | | 114,001 | | 103,793 | | 93,031 | | 82,269 |
| 10 | | 10 | | 10 | | 10 | 142,088 | 10 | 132,682 | 10 | 123,261 | 10 | 113,804 | 10 | 103,569 | 10 | 92,807 | 10 | 82,045 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 141,894 | 1/4 | 132,487 | 1/4 | 123,064 | 1/4 | 113,607 | 1/4 | 103,344 | 1/4 | 92,583 | 1/4 | 81,821 |
| | 1/2 | | 1/2 | | 1/2 | | 141,700 | | 132,291 | | 122,867 | | 113,410 | | 103,120 | | 92,359 | | 81,597 |
| | 3/4 | | 3/4 | | 3/4 | | 141,505 | | 132,095 | | 122,670 | | 113,214 | | 102,896 | | 92,134 | | 81,372 |
| 11 | | 11 | | 11 | | 11 | 141,311 | 11 | 131,899 | 11 | 122,472 | 11 | 113,017 | 11 | 102,672 | 11 | 91,910 | 11 | 81,148 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 141,116 | 1/4 | 131,703 | 1/4 | 122,275 | 1/4 | 112,820 | 1/4 | 102,448 | 1/4 | 91,686 | 1/4 | 80,924 |
| | 1/2 | | 1/2 | | 1/2 | | 140,922 | | 131,507 | | 122,078 | | 112,623 | | 102,223 | | 91,462 | | 80,700 |
| | 3/4 | | 3/4 | | 3/4 | | 140,727 | | 131,312 | | 121,881 | | 112,426 | | 101,999 | | 91,237 | | 80,475 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1361"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 69,532 | 0 | 58,780 | 0 | 48,022 | 0 | 37,263 | 0 | 26,673 | 0 | 15,954 | 0 | 5,173 | 0 | | 0 | | 0 | |
| 1/4 | 69,309 | 1/4 | 58,556 | 1/4 | 47,798 | 1/4 | 37,039 | 1/4 | 26,455 | 1/4 | 15,730 | 1/4 | 4,949 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 69,085 | 1/2 | 58,332 | 1/2 | 47,573 | 1/2 | 36,815 | 1/2 | 26,237 | 1/2 | 15,505 | 1/2 | 4,726 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 68,861 | 3/4 | 58,108 | 3/4 | 47,349 | 3/4 | 36,591 | 3/4 | 26,018 | 3/4 | 15,280 | 3/4 | 4,503 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 68,638 | 1 | 57,884 | 1 | 47,125 | 1 | 36,367 | 1 | 25,800 | 1 | 15,055 | 1 | 4,280 | 1 | 1 | | 1 | | 1 |
| 1/4 | 68,414 | 1/4 | 57,659 | 1/4 | 46,901 | 1/4 | 36,143 | 1/4 | 25,581 | 1/4 | 14,831 | 1/4 | 4,058 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 68,191 | 1/2 | 57,435 | 1/2 | 46,677 | 1/2 | 35,918 | 1/2 | 25,362 | 1/2 | 14,606 | 1/2 | 3,836 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 67,967 | 3/4 | 57,211 | 3/4 | 46,453 | 3/4 | 35,694 | 3/4 | 25,144 | 3/4 | 14,381 | 3/4 | 3,614 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 67,744 | 2 | 56,987 | 2 | 46,229 | 2 | 35,470 | 2 | 24,925 | 2 | 14,157 | 2 | 3,394 | 2 | 2 | | 2 | | 2 |
| 1/4 | 67,520 | 1/4 | 56,763 | 1/4 | 46,004 | 1/4 | 35,246 | 1/4 | 24,706 | 1/4 | 13,932 | 1/4 | 3,173 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 67,297 | 1/2 | 56,539 | 1/2 | 45,780 | 1/2 | 35,022 | 1/2 | 24,487 | 1/2 | 13,707 | 1/2 | 2,953 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 67,073 | 3/4 | 56,315 | 3/4 | 45,556 | 3/4 | 34,798 | 3/4 | 24,269 | 3/4 | 13,482 | 3/4 | 2,733 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 66,849 | 3 | 56,091 | 3 | 45,332 | 3 | 34,574 | 3 | 24,044 | 3 | 13,258 | 3 | 2,528 | 3 | 3 | | 3 | | 3 |
| 1/4 | 66,625 | 1/4 | 55,866 | 1/4 | 45,108 | 1/4 | 34,350 | 1/4 | 23,819 | 1/4 | 13,033 | 1/4 | 2,322 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 66,401 | 1/2 | 55,642 | 1/2 | 44,884 | 1/2 | 34,125 | 1/2 | 23,595 | 1/2 | 12,808 | 1/2 | 2,117 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 66,177 | 3/4 | 55,418 | 3/4 | 44,660 | 3/4 | 33,901 | 3/4 | 23,370 | 3/4 | 12,584 | 3/4 | 1,911 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 65,952 | 4 | 55,194 | 4 | 44,436 | 4 | 33,677 | 4 | 23,145 | 4 | 12,359 | 4 | 1,743 | 4 | 4 | | 4 | | 4 |
| 1/4 | 65,728 | 1/4 | 54,970 | 1/4 | 44,211 | 1/4 | 33,453 | 1/4 | 22,920 | 1/4 | 12,134 | 1/4 | 1,574 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 65,504 | 1/2 | 54,746 | 1/2 | 43,987 | 1/2 | 33,229 | 1/2 | 22,696 | 1/2 | 11,909 | 1/2 | 1,406 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 65,280 | 3/4 | 54,522 | 3/4 | 43,763 | 3/4 | 33,005 | 3/4 | 22,471 | 3/4 | 11,685 | 3/4 | 1,237 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 65,056 | 5 | 54,297 | 5 | 43,539 | 5 | 32,786 | 5 | 22,246 | 5 | 11,460 | 5 | 1,106 | 5 | 5 | | 5 | | 5 |
| 1/4 | 64,832 | 1/4 | 54,073 | 1/4 | 43,315 | 1/4 | 32,568 | 1/4 | 22,022 | 1/4 | 11,235 | 1/4 | 975 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 64,608 | 1/2 | 53,849 | 1/2 | 43,091 | 1/2 | 32,350 | 1/2 | 21,797 | 1/2 | 11,011 | 1/2 | 844 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 64,383 | 3/4 | 53,625 | 3/4 | 42,867 | 3/4 | 32,131 | 3/4 | 21,572 | 3/4 | 10,786 | 3/4 | 713 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 64,159 | 6 | 53,401 | 6 | 42,642 | 6 | 31,913 | 6 | 21,347 | 6 | 10,561 | 6 | 620 | 6 | 6 | | 6 | | 6 |
| 1/4 | 63,935 | 1/4 | 53,177 | 1/4 | 42,418 | 1/4 | 31,695 | 1/4 | 21,123 | 1/4 | 10,336 | 1/4 | 526 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 63,711 | 1/2 | 52,953 | 1/2 | 42,194 | 1/2 | 31,476 | 1/2 | 20,898 | 1/2 | 10,112 | 1/2 | 432 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 63,487 | 3/4 | 52,729 | 3/4 | 41,970 | 3/4 | 31,258 | 3/4 | 20,673 | 3/4 | 9,887 | 3/4 | 339 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 63,263 | 7 | 52,504 | 7 | 41,746 | 7 | 31,040 | 7 | 20,449 | 7 | 9,662 | 7 | 283 | 7 | 7 | | 7 | | 7 |
| 1/4 | 63,039 | 1/4 | 52,280 | 1/4 | 41,522 | 1/4 | 30,821 | 1/4 | 20,224 | 1/4 | 9,437 | 1/4 | 226 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 62,815 | 1/2 | 52,056 | 1/2 | 41,298 | 1/2 | 30,603 | 1/2 | 19,999 | 1/2 | 9,213 | 1/2 | 170 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 62,590 | 3/4 | 51,832 | 3/4 | 41,074 | 3/4 | 30,385 | 3/4 | 19,774 | 3/4 | 8,988 | 3/4 | 114 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 62,366 | 8 | 51,608 | 8 | 40,849 | 8 | 30,167 | 8 | 19,550 | 8 | 8,763 | 8 | 95 | 8 | 8 | | 8 | | 8 |
| 1/4 | 62,142 | 1/4 | 51,384 | 1/4 | 40,625 | 1/4 | 29,948 | 1/4 | 19,325 | 1/4 | 8,539 | 1/4 | 77 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 61,918 | 1/2 | 51,160 | 1/2 | 40,401 | 1/2 | 29,730 | 1/2 | 19,100 | 1/2 | 8,314 | 1/2 | 58 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 61,694 | 3/4 | 50,935 | 3/4 | 40,177 | 3/4 | 29,512 | 3/4 | 18,876 | 3/4 | 8,089 | 3/4 | 39 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 61,470 | 9 | 50,711 | 9 | 39,953 | 9 | 29,293 | 9 | 18,651 | 9 | 7,865 | 9 | | 9 | 9 | | 9 | | 9 |
| 1/4 | 61,246 | 1/4 | 50,487 | 1/4 | 39,729 | 1/4 | 29,075 | 1/4 | 18,426 | 1/4 | 7,640 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 61,021 | 1/2 | 50,263 | 1/2 | 39,505 | 1/2 | 28,857 | 1/2 | 18,201 | 1/2 | 7,415 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 60,797 | 3/4 | 50,039 | 3/4 | 39,280 | 3/4 | 28,638 | 3/4 | 17,977 | 3/4 | 7,190 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 60,573 | 10 | 49,815 | 10 | 39,056 | 10 | 28,420 | 10 | 17,752 | 10 | 6,966 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 60,349 | 1/4 | 49,591 | 1/4 | 38,832 | 1/4 | 28,202 | 1/4 | 17,527 | 1/4 | 6,741 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 60,125 | 1/2 | 49,366 | 1/2 | 38,608 | 1/2 | 27,983 | 1/2 | 17,303 | 1/2 | 6,517 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 59,901 | 3/4 | 49,142 | 3/4 | 38,384 | 3/4 | 27,765 | 3/4 | 17,078 | 3/4 | 6,292 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 59,677 | 11 | 48,918 | 11 | 38,160 | 11 | 27,547 | 11 | 16,853 | 11 | 6,068 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 59,453 | 1/4 | 48,694 | 1/4 | 37,936 | 1/4 | 27,328 | 1/4 | 16,628 | 1/4 | 5,844 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 59,228 | 1/2 | 48,470 | 1/2 | 37,712 | 1/2 | 27,110 | 1/2 | 16,404 | 1/2 | 5,620 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 59,004 | 3/4 | 48,246 | 3/4 | 37,487 | 3/4 | 26,892 | 3/4 | 16,179 | 3/4 | 5,396 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "CBC 1361"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 162,709 | 0 | 150,702 | 0 | 138,670 | 0 | 126,587 | 0 | 114,504 | 0 | 102,421 | 0 | 90,338 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 162,461 | 1/4 | 150,452 | 1/4 | 138,418 | 1/4 | 126,335 | 1/4 | 114,252 | 1/4 | 102,169 | 1/4 | 90,086 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 162,213 | 1/2 | 150,201 | 1/2 | 138,166 | 1/2 | 126,083 | 1/2 | 114,000 | 1/2 | 101,917 | 1/2 | 89,834 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 161,965 | 3/4 | 149,951 | 3/4 | 137,914 | 3/4 | 125,832 | 3/4 | 113,749 | 3/4 | 101,666 | 3/4 | 89,582 |
| 1 | | 1 | | 1 | 170,600 | 1 | 161,717 | 1 | 149,701 | 1 | 137,663 | 1 | 125,580 | 1 | 113,497 | 1 | 101,414 | 1 | 89,330 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 170,583 | 1/4 | 161,466 | 1/4 | 149,451 | 1/4 | 137,411 | 1/4 | 125,328 | 1/4 | 113,245 | 1/4 | 101,162 | 1/4 | 89,079 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 170,566 | 1/2 | 161,216 | 1/2 | 149,200 | 1/2 | 137,159 | 1/2 | 125,076 | 1/2 | 112,993 | 1/2 | 100,911 | 1/2 | 88,827 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 170,548 | 3/4 | 160,966 | 3/4 | 148,950 | 3/4 | 136,908 | 3/4 | 124,825 | 3/4 | 112,742 | 3/4 | 100,659 | 3/4 | 88,575 |
| 2 | | 2 | | 2 | 170,531 | 2 | 160,715 | 2 | 148,700 | 2 | 136,656 | 2 | 124,573 | 2 | 112,490 | 2 | 100,407 | 2 | 88,323 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 170,472 | 1/4 | 160,465 | 1/4 | 148,449 | 1/4 | 136,404 | 1/4 | 124,321 | 1/4 | 112,238 | 1/4 | 100,155 | 1/4 | 88,072 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 170,413 | 1/2 | 160,215 | 1/2 | 148,199 | 1/2 | 136,152 | 1/2 | 124,069 | 1/2 | 111,987 | 1/2 | 99,904 | 1/2 | 87,820 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 170,354 | 3/4 | 159,964 | 3/4 | 147,949 | 3/4 | 135,901 | 3/4 | 123,818 | 3/4 | 111,735 | 3/4 | 99,652 | 3/4 | 87,568 |
| 3 | | 3 | | 3 | 170,294 | 3 | 159,714 | 3 | 147,698 | 3 | 135,649 | 3 | 123,566 | 3 | 111,483 | 3 | 99,400 | 3 | 87,316 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 170,193 | 1/4 | 159,464 | 1/4 | 147,448 | 1/4 | 135,397 | 1/4 | 123,314 | 1/4 | 111,231 | 1/4 | 99,148 | 1/4 | 87,064 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 170,092 | 1/2 | 159,213 | 1/2 | 147,198 | 1/2 | 135,145 | 1/2 | 123,063 | 1/2 | 110,980 | 1/2 | 98,897 | 1/2 | 86,813 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 169,991 | 3/4 | 158,963 | 3/4 | 146,947 | 3/4 | 134,894 | 3/4 | 122,811 | 3/4 | 110,728 | 3/4 | 98,645 | 3/4 | 86,561 |
| 4 | | 4 | | 4 | 169,890 | 4 | 158,713 | 4 | 146,697 | 4 | 134,642 | 4 | 122,559 | 4 | 110,476 | 4 | 98,393 | 4 | 86,309 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 169,747 | 1/4 | 158,462 | 1/4 | 146,447 | 1/4 | 134,390 | 1/4 | 122,307 | 1/4 | 110,224 | 1/4 | 98,142 | 1/4 | 86,057 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 169,604 | 1/2 | 158,212 | 1/2 | 146,196 | 1/2 | 134,139 | 1/2 | 122,056 | 1/2 | 109,973 | 1/2 | 97,890 | 1/2 | 85,806 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 169,460 | 3/4 | 157,962 | 3/4 | 145,946 | 3/4 | 133,887 | 3/4 | 121,804 | 3/4 | 109,721 | 3/4 | 97,638 | 3/4 | 85,554 |
| 5 | | 5 | | 5 | 169,317 | 5 | 157,711 | 5 | 145,696 | 5 | 133,635 | 5 | 121,552 | 5 | 109,469 | 5 | 97,386 | 5 | 85,302 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 169,132 | 1/4 | 157,461 | 1/4 | 145,445 | 1/4 | 133,383 | 1/4 | 121,300 | 1/4 | 109,218 | 1/4 | 97,135 | 1/4 | 85,050 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 168,947 | 1/2 | 157,211 | 1/2 | 145,195 | 1/2 | 133,132 | 1/2 | 121,049 | 1/2 | 108,966 | 1/2 | 96,883 | 1/2 | 84,799 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 168,762 | 3/4 | 156,960 | 3/4 | 144,945 | 3/4 | 132,880 | 3/4 | 120,797 | 3/4 | 108,714 | 3/4 | 96,631 | 3/4 | 84,547 |
| 6 | | 6 | | 6 | 168,577 | 6 | 156,710 | 6 | 144,694 | 6 | 132,628 | 6 | 120,545 | 6 | 108,462 | 6 | 96,379 | 6 | 84,295 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 168,350 | 1/4 | 156,460 | 1/4 | 144,444 | 1/4 | 132,376 | 1/4 | 120,294 | 1/4 | 108,211 | 1/4 | 96,128 | 1/4 | 84,043 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 168,123 | 1/2 | 156,209 | 1/2 | 144,194 | 1/2 | 132,125 | 1/2 | 120,042 | 1/2 | 107,959 | 1/2 | 95,876 | 1/2 | 83,791 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 167,896 | 3/4 | 155,959 | 3/4 | 143,943 | 3/4 | 131,873 | 3/4 | 119,790 | 3/4 | 107,707 | 3/4 | 95,624 | 3/4 | 83,540 |
| 7 | | 7 | | 7 | 167,669 | 7 | 155,709 | 7 | 143,693 | 7 | 131,621 | 7 | 119,538 | 7 | 107,455 | 7 | 95,373 | 7 | 83,288 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 167,421 | 1/4 | 155,458 | 1/4 | 143,443 | 1/4 | 131,370 | 1/4 | 119,287 | 1/4 | 107,204 | 1/4 | 95,121 | 1/4 | 83,036 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 167,173 | 1/2 | 155,208 | 1/2 | 143,192 | 1/2 | 131,118 | 1/2 | 119,035 | 1/2 | 106,952 | 1/2 | 94,869 | 1/2 | 82,784 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 166,925 | 3/4 | 154,958 | 3/4 | 142,942 | 3/4 | 130,866 | 3/4 | 118,783 | 3/4 | 106,700 | 3/4 | 94,617 | 3/4 | 82,533 |
| 8 | | 8 | | 8 | 166,677 | 8 | 154,707 | 8 | 142,692 | 8 | 130,614 | 8 | 118,531 | 8 | 106,449 | 8 | 94,366 | 8 | 82,281 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 166,429 | 1/4 | 154,457 | 1/4 | 142,441 | 1/4 | 130,363 | 1/4 | 118,280 | 1/4 | 106,197 | 1/4 | 94,114 | 1/4 | 82,029 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 166,181 | 1/2 | 154,207 | 1/2 | 142,191 | 1/2 | 130,111 | 1/2 | 118,028 | 1/2 | 105,945 | 1/2 | 93,862 | 1/2 | 81,777 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 165,933 | 3/4 | 153,956 | 3/4 | 141,941 | 3/4 | 129,859 | 3/4 | 117,776 | 3/4 | 105,693 | 3/4 | 93,610 | 3/4 | 81,526 |
| 9 | | 9 | | 9 | 165,685 | 9 | 153,706 | 9 | 141,690 | 9 | 129,607 | 9 | 117,525 | 9 | 105,442 | 9 | 93,359 | 9 | 81,274 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 165,437 | 1/4 | 153,456 | 1/4 | 141,439 | 1/4 | 129,356 | 1/4 | 117,273 | 1/4 | 105,190 | 1/4 | 93,107 | 1/4 | 81,022 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 165,189 | 1/2 | 153,205 | 1/2 | 141,187 | 1/2 | 129,104 | 1/2 | 117,021 | 1/2 | 104,938 | 1/2 | 92,855 | 1/2 | 80,770 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 164,941 | 3/4 | 152,955 | 3/4 | 140,935 | 3/4 | 128,852 | 3/4 | 116,769 | 3/4 | 104,686 | 3/4 | 92,603 | 3/4 | 80,518 |
| 10 | | 10 | | 10 | 164,693 | 10 | 152,705 | 10 | 140,683 | 10 | 128,601 | 10 | 116,518 | 10 | 104,435 | 10 | 92,352 | 10 | 80,267 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 164,445 | 1/4 | 152,454 | 1/4 | 140,432 | 1/4 | 128,349 | 1/4 | 116,266 | 1/4 | 104,183 | 1/4 | 92,100 | 1/4 | 80,015 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 164,197 | 1/2 | 152,204 | 1/2 | 140,180 | 1/2 | 128,097 | 1/2 | 116,014 | 1/2 | 103,931 | 1/2 | 91,848 | 1/2 | 79,763 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 163,949 | 3/4 | 151,954 | 3/4 | 139,928 | 3/4 | 127,845 | 3/4 | 115,762 | 3/4 | 103,680 | 3/4 | 91,596 | 3/4 | 79,511 |
| 11 | | 11 | | 11 | 163,701 | 11 | 151,703 | 11 | 139,677 | 11 | 127,594 | 11 | 115,511 | 11 | 103,428 | 11 | 91,345 | 11 | 79,260 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 163,453 | 1/4 | 151,453 | 1/4 | 139,425 | 1/4 | 127,342 | 1/4 | 115,259 | 1/4 | 103,176 | 1/4 | 91,093 | 1/4 | 79,008 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 163,205 | 1/2 | 151,203 | 1/2 | 139,173 | 1/2 | 127,090 | 1/2 | 115,007 | 1/2 | 102,924 | 1/2 | 90,841 | 1/2 | 78,756 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 162,957 | 3/4 | 150,952 | 3/4 | 138,921 | 3/4 | 126,838 | 3/4 | 114,756 | 3/4 | 102,673 | 3/4 | 90,589 | 3/4 | 78,504 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1361"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 78,253 | 0 | 66,168 | 0 | 54,083 | 0 | 41,998 | 0 | 30,149 | 0 | 18,122 | 0 | 6,041 | 0 | | 0 | | 0 | |
| 1/4 | 78,001 | 1/4 | 65,916 | 1/4 | 53,831 | 1/4 | 41,746 | 1/4 | 29,904 | 1/4 | 17,870 | 1/4 | 5,791 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 77,749 | 1/2 | 65,664 | 1/2 | 53,579 | 1/2 | 41,494 | 1/2 | 29,660 | 1/2 | 17,619 | 1/2 | 5,541 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 77,497 | 3/4 | 65,412 | 3/4 | 53,327 | 3/4 | 41,242 | 3/4 | 29,416 | 3/4 | 17,367 | 3/4 | 5,291 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 77,245 | 1 | 65,160 | 1 | 53,075 | 1 | 40,991 | 1 | 29,171 | 1 | 17,115 | 1 | 5,040 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 76,994 | 1/4 | 64,909 | 1/4 | 52,824 | 1/4 | 40,739 | 1/4 | 28,927 | 1/4 | 16,863 | 1/4 | 4,792 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 76,742 | 1/2 | 64,657 | 1/2 | 52,572 | 1/2 | 40,487 | 1/2 | 28,682 | 1/2 | 16,611 | 1/2 | 4,543 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 76,490 | 3/4 | 64,405 | 3/4 | 52,320 | 3/4 | 40,235 | 3/4 | 28,437 | 3/4 | 16,360 | 3/4 | 4,294 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 76,238 | 2 | 64,153 | 2 | 52,068 | 2 | 39,983 | 2 | 28,193 | 2 | 16,108 | 2 | 4,045 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 75,987 | 1/4 | 63,902 | 1/4 | 51,817 | 1/4 | 39,732 | 1/4 | 27,941 | 1/4 | 15,856 | 1/4 | 3,798 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,735 | 1/2 | 63,650 | 1/2 | 51,565 | 1/2 | 39,480 | 1/2 | 27,689 | 1/2 | 15,604 | 1/2 | 3,551 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,483 | 3/4 | 63,398 | 3/4 | 51,313 | 3/4 | 39,228 | 3/4 | 27,437 | 3/4 | 15,353 | 3/4 | 3,304 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 75,231 | 3 | 63,146 | 3 | 51,061 | 3 | 38,976 | 3 | 27,185 | 3 | 15,101 | 3 | 3,058 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 74,980 | 1/4 | 62,895 | 1/4 | 50,810 | 1/4 | 38,725 | 1/4 | 26,934 | 1/4 | 14,849 | 1/4 | 2,828 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,728 | 1/2 | 62,643 | 1/2 | 50,558 | 1/2 | 38,473 | 1/2 | 26,682 | 1/2 | 14,597 | 1/2 | 2,597 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,476 | 3/4 | 62,391 | 3/4 | 50,306 | 3/4 | 38,221 | 3/4 | 26,430 | 3/4 | 14,346 | 3/4 | 2,367 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 74,224 | 4 | 62,139 | 4 | 50,054 | 4 | 37,969 | 4 | 26,178 | 4 | 14,094 | 4 | 2,137 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 73,972 | 1/4 | 61,887 | 1/4 | 49,802 | 1/4 | 37,725 | 1/4 | 25,927 | 1/4 | 13,842 | 1/4 | 1,948 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,721 | 1/2 | 61,636 | 1/2 | 49,551 | 1/2 | 37,480 | 1/2 | 25,675 | 1/2 | 13,590 | 1/2 | 1,760 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,469 | 3/4 | 61,384 | 3/4 | 49,299 | 3/4 | 37,235 | 3/4 | 25,423 | 3/4 | 13,339 | 3/4 | 1,571 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 73,217 | 5 | 61,132 | 5 | 49,047 | 5 | 36,990 | 5 | 25,171 | 5 | 13,087 | 5 | 1,382 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 72,965 | 1/4 | 60,880 | 1/4 | 48,795 | 1/4 | 36,746 | 1/4 | 24,920 | 1/4 | 12,835 | 1/4 | 1,235 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,714 | 1/2 | 60,629 | 1/2 | 48,544 | 1/2 | 36,502 | 1/2 | 24,668 | 1/2 | 12,583 | 1/2 | 1,088 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,462 | 3/4 | 60,377 | 3/4 | 48,292 | 3/4 | 36,257 | 3/4 | 24,416 | 3/4 | 12,332 | 3/4 | 941 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 72,210 | 6 | 60,125 | 6 | 48,040 | 6 | 36,013 | 6 | 24,164 | 6 | 12,080 | 6 | 794 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 71,958 | 1/4 | 59,873 | 1/4 | 47,788 | 1/4 | 35,769 | 1/4 | 23,913 | 1/4 | 11,828 | 1/4 | 690 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 71,706 | 1/2 | 59,622 | 1/2 | 47,537 | 1/2 | 35,524 | 1/2 | 23,661 | 1/2 | 11,576 | 1/2 | 585 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,455 | 3/4 | 59,370 | 3/4 | 47,285 | 3/4 | 35,280 | 3/4 | 23,409 | 3/4 | 11,324 | 3/4 | 480 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 71,203 | 7 | 59,118 | 7 | 47,033 | 7 | 35,036 | 7 | 23,157 | 7 | 11,073 | 7 | 375 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 70,951 | 1/4 | 58,866 | 1/4 | 46,781 | 1/4 | 34,791 | 1/4 | 22,906 | 1/4 | 10,821 | 1/4 | 312 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 70,699 | 1/2 | 58,614 | 1/2 | 46,529 | 1/2 | 34,547 | 1/2 | 22,654 | 1/2 | 10,569 | 1/2 | 249 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 70,448 | 3/4 | 58,363 | 3/4 | 46,278 | 3/4 | 34,303 | 3/4 | 22,402 | 3/4 | 10,317 | 3/4 | 186 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 70,196 | 8 | 58,111 | 8 | 46,026 | 8 | 34,058 | 8 | 22,150 | 8 | 10,066 | 8 | 123 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 69,944 | 1/4 | 57,859 | 1/4 | 45,774 | 1/4 | 33,814 | 1/4 | 21,898 | 1/4 | 9,814 | 1/4 | 102 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 69,692 | 1/2 | 57,607 | 1/2 | 45,522 | 1/2 | 33,570 | 1/2 | 21,647 | 1/2 | 9,562 | 1/2 | 81 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 69,441 | 3/4 | 57,356 | 3/4 | 45,271 | 3/4 | 33,325 | 3/4 | 21,395 | 3/4 | 9,310 | 3/4 | 60 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 69,189 | 9 | 57,104 | 9 | 45,019 | 9 | 33,081 | 9 | 21,143 | 9 | 9,059 | 9 | 39 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 68,937 | 1/4 | 56,852 | 1/4 | 44,767 | 1/4 | 32,837 | 1/4 | 20,891 | 1/4 | 8,807 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 68,685 | 1/2 | 56,600 | 1/2 | 44,515 | 1/2 | 32,592 | 1/2 | 20,640 | 1/2 | 8,555 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 68,433 | 3/4 | 56,349 | 3/4 | 44,264 | 3/4 | 32,348 | 3/4 | 20,388 | 3/4 | 8,303 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 68,182 | 10 | 56,097 | 10 | 44,012 | 10 | 32,103 | 10 | 20,136 | 10 | 8,052 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 67,930 | 1/4 | 55,845 | 1/4 | 43,760 | 1/4 | 31,859 | 1/4 | 19,884 | 1/4 | 7,800 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 67,678 | 1/2 | 55,593 | 1/2 | 43,508 | 1/2 | 31,615 | 1/2 | 19,633 | 1/2 | 7,549 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 67,426 | 3/4 | 55,341 | 3/4 | 43,256 | 3/4 | 31,370 | 3/4 | 19,381 | 3/4 | 7,297 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 67,175 | 11 | 55,090 | 11 | 43,005 | 11 | 31,126 | 11 | 19,129 | 11 | 7,046 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 66,923 | 1/4 | 54,838 | 1/4 | 42,753 | 1/4 | 30,882 | 1/4 | 18,877 | 1/4 | 6,794 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 66,671 | 1/2 | 54,586 | 1/2 | 42,501 | 1/2 | 30,637 | 1/2 | 18,626 | 1/2 | 6,543 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 66,419 | 3/4 | 54,334 | 3/4 | 42,249 | 3/4 | 30,393 | 3/4 | 18,374 | 3/4 | 6,292 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "CBC 1361"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 144,877 | 0 | 134,204 | 0 | 123,507 | 0 | 112,766 | 0 | 102,025 | 0 | 91,284 | 0 | 80,543 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 144,657 | 1/4 | 133,981 | 1/4 | 123,283 | 1/4 | 112,542 | 1/4 | 101,802 | 1/4 | 91,061 | 1/4 | 80,319 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 144,436 | 1/2 | 133,759 | 1/2 | 123,059 | 1/2 | 112,319 | 1/2 | 101,578 | 1/2 | 90,837 | 1/2 | 80,096 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 144,216 | 3/4 | 133,536 | 3/4 | 122,836 | 3/4 | 112,095 | 3/4 | 101,354 | 3/4 | 90,613 | 3/4 | 79,872 |
| 1 | | 1 | | 1 | 151,893 | 1 | 143,995 | 1 | 133,313 | 1 | 122,612 | 1 | 111,871 | 1 | 101,130 | 1 | 90,389 | 1 | 79,648 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 151,878 | 1/4 | 143,773 | 1/4 | 133,091 | 1/4 | 122,388 | 1/4 | 111,647 | 1/4 | 100,906 | 1/4 | 90,166 | 1/4 | 79,424 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 151,862 | 1/2 | 143,550 | 1/2 | 132,868 | 1/2 | 122,164 | 1/2 | 111,424 | 1/2 | 100,683 | 1/2 | 89,942 | 1/2 | 79,200 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 151,847 | 3/4 | 143,328 | 3/4 | 132,646 | 3/4 | 121,941 | 3/4 | 111,200 | 3/4 | 100,459 | 3/4 | 89,718 | 3/4 | 78,976 |
| 2 | | 2 | | 2 | 151,832 | 2 | 143,105 | 2 | 132,423 | 2 | 121,717 | 2 | 110,976 | 2 | 100,235 | 2 | 89,494 | 2 | 78,753 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 151,779 | 1/4 | 142,883 | 1/4 | 132,201 | 1/4 | 121,493 | 1/4 | 110,752 | 1/4 | 100,011 | 1/4 | 89,271 | 1/4 | 78,529 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 151,726 | 1/2 | 142,660 | 1/2 | 131,978 | 1/2 | 121,269 | 1/2 | 110,528 | 1/2 | 99,788 | 1/2 | 89,047 | 1/2 | 78,305 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 151,674 | 3/4 | 142,438 | 3/4 | 131,756 | 3/4 | 121,046 | 3/4 | 110,305 | 3/4 | 99,564 | 3/4 | 88,823 | 3/4 | 78,081 |
| 3 | | 3 | | 3 | 151,621 | 3 | 142,215 | 3 | 131,533 | 3 | 120,822 | 3 | 110,081 | 3 | 99,340 | 3 | 88,599 | 3 | 77,857 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 151,531 | 1/4 | 141,993 | 1/4 | 131,311 | 1/4 | 120,598 | 1/4 | 109,857 | 1/4 | 99,116 | 1/4 | 88,375 | 1/4 | 77,634 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 151,441 | 1/2 | 141,770 | 1/2 | 131,088 | 1/2 | 120,374 | 1/2 | 109,633 | 1/2 | 98,893 | 1/2 | 88,152 | 1/2 | 77,410 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 151,351 | 3/4 | 141,547 | 3/4 | 130,866 | 3/4 | 120,150 | 3/4 | 109,410 | 3/4 | 98,669 | 3/4 | 87,928 | 3/4 | 77,186 |
| 4 | | 4 | | 4 | 151,261 | 4 | 141,325 | 4 | 130,643 | 4 | 119,927 | 4 | 109,186 | 4 | 98,445 | 4 | 87,704 | 4 | 76,962 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 151,134 | 1/4 | 141,102 | 1/4 | 130,420 | 1/4 | 119,703 | 1/4 | 108,962 | 1/4 | 98,221 | 1/4 | 87,480 | 1/4 | 76,738 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 151,007 | 1/2 | 140,880 | 1/2 | 130,198 | 1/2 | 119,479 | 1/2 | 108,738 | 1/2 | 97,997 | 1/2 | 87,257 | 1/2 | 76,515 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 150,880 | 3/4 | 140,657 | 3/4 | 129,975 | 3/4 | 119,255 | 3/4 | 108,515 | 3/4 | 97,774 | 3/4 | 87,033 | 3/4 | 76,291 |
| 5 | | 5 | | 5 | 150,753 | 5 | 140,435 | 5 | 129,753 | 5 | 119,032 | 5 | 108,291 | 5 | 97,550 | 5 | 86,809 | 5 | 76,067 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 150,588 | 1/4 | 140,212 | 1/4 | 129,530 | 1/4 | 118,808 | 1/4 | 108,067 | 1/4 | 97,326 | 1/4 | 86,585 | 1/4 | 75,843 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 150,423 | 1/2 | 139,990 | 1/2 | 129,308 | 1/2 | 118,584 | 1/2 | 107,843 | 1/2 | 97,102 | 1/2 | 86,362 | 1/2 | 75,619 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 150,259 | 3/4 | 139,767 | 3/4 | 129,085 | 3/4 | 118,360 | 3/4 | 107,619 | 3/4 | 96,879 | 3/4 | 86,138 | 3/4 | 75,396 |
| 6 | | 6 | | 6 | 150,094 | 6 | 139,545 | 6 | 128,863 | 6 | 118,137 | 6 | 107,396 | 6 | 96,655 | 6 | 85,914 | 6 | 75,172 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 149,893 | 1/4 | 139,322 | 1/4 | 128,640 | 1/4 | 117,913 | 1/4 | 107,172 | 1/4 | 96,431 | 1/4 | 85,690 | 1/4 | 74,948 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 149,691 | 1/2 | 139,100 | 1/2 | 128,418 | 1/2 | 117,689 | 1/2 | 106,948 | 1/2 | 96,207 | 1/2 | 85,466 | 1/2 | 74,724 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 149,489 | 3/4 | 138,877 | 3/4 | 128,195 | 3/4 | 117,465 | 3/4 | 106,724 | 3/4 | 95,984 | 3/4 | 85,243 | 3/4 | 74,500 |
| 7 | | 7 | | 7 | 149,287 | 7 | 138,654 | 7 | 127,973 | 7 | 117,241 | 7 | 106,501 | 7 | 95,760 | 7 | 85,019 | 7 | 74,277 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 149,067 | 1/4 | 138,432 | 1/4 | 127,750 | 1/4 | 117,018 | 1/4 | 106,277 | 1/4 | 95,536 | 1/4 | 84,795 | 1/4 | 74,053 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 148,846 | 1/2 | 138,209 | 1/2 | 127,527 | 1/2 | 116,794 | 1/2 | 106,053 | 1/2 | 95,312 | 1/2 | 84,571 | 1/2 | 73,829 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 148,626 | 3/4 | 137,987 | 3/4 | 127,305 | 3/4 | 116,570 | 3/4 | 105,829 | 3/4 | 95,088 | 3/4 | 84,348 | 3/4 | 73,605 |
| 8 | | 8 | | 8 | 148,405 | 8 | 137,764 | 8 | 127,082 | 8 | 116,346 | 8 | 105,606 | 8 | 94,865 | 8 | 84,124 | 8 | 73,381 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 148,185 | 1/4 | 137,542 | 1/4 | 126,860 | 1/4 | 116,123 | 1/4 | 105,382 | 1/4 | 94,641 | 1/4 | 83,900 | 1/4 | 73,158 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 147,964 | 1/2 | 137,319 | 1/2 | 126,637 | 1/2 | 115,899 | 1/2 | 105,158 | 1/2 | 94,417 | 1/2 | 83,676 | 1/2 | 72,934 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 147,744 | 3/4 | 137,097 | 3/4 | 126,415 | 3/4 | 115,675 | 3/4 | 104,934 | 3/4 | 94,193 | 3/4 | 83,453 | 3/4 | 72,710 |
| 9 | | 9 | | 9 | 147,523 | 9 | 136,874 | 9 | 126,192 | 9 | 115,451 | 9 | 104,710 | 9 | 93,970 | 9 | 83,229 | 9 | 72,486 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 147,303 | 1/4 | 136,652 | 1/4 | 125,968 | 1/4 | 115,228 | 1/4 | 104,487 | 1/4 | 93,746 | 1/4 | 83,005 | 1/4 | 72,262 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 147,082 | 1/2 | 136,429 | 1/2 | 125,745 | 1/2 | 115,004 | 1/2 | 104,263 | 1/2 | 93,522 | 1/2 | 82,781 | 1/2 | 72,039 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 146,862 | 3/4 | 136,207 | 3/4 | 125,521 | 3/4 | 114,780 | 3/4 | 104,039 | 3/4 | 93,298 | 3/4 | 82,557 | 3/4 | 71,815 |
| 10 | | 10 | | 10 | 146,641 | 10 | 135,984 | 10 | 125,297 | 10 | 114,556 | 10 | 103,815 | 10 | 93,075 | 10 | 82,334 | 10 | 71,591 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 146,421 | 1/4 | 135,761 | 1/4 | 125,073 | 1/4 | 114,332 | 1/4 | 103,592 | 1/4 | 92,851 | 1/4 | 82,110 | 1/4 | 71,367 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 146,200 | 1/2 | 135,539 | 1/2 | 124,850 | 1/2 | 114,109 | 1/2 | 103,368 | 1/2 | 92,627 | 1/2 | 81,886 | 1/2 | 71,143 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 145,980 | 3/4 | 135,316 | 3/4 | 124,626 | 3/4 | 113,885 | 3/4 | 103,144 | 3/4 | 92,403 | 3/4 | 81,662 | 3/4 | 70,919 |
| 11 | | 11 | | 11 | 145,759 | 11 | 135,094 | 11 | 124,402 | 11 | 113,661 | 11 | 102,920 | 11 | 92,179 | 11 | 81,438 | 11 | 70,696 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 145,539 | 1/4 | 134,871 | 1/4 | 124,178 | 1/4 | 113,437 | 1/4 | 102,697 | 1/4 | 91,956 | 1/4 | 81,215 | 1/4 | 70,472 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 145,318 | 1/2 | 134,649 | 1/2 | 123,954 | 1/2 | 113,214 | 1/2 | 102,473 | 1/2 | 91,732 | 1/2 | 80,991 | 1/2 | 70,248 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 145,098 | 3/4 | 134,426 | 3/4 | 123,731 | 3/4 | 112,990 | 3/4 | 102,249 | 3/4 | 91,508 | 3/4 | 80,767 | 3/4 | 70,024 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1361"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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 | 69,800 | 0 | 59,058 | 0 | 48,315 | 0 | 37,572 | 0 | 26,850 | 0 | 16,113 | 0 | 5,375 | 0 | | 0 | | | |
| 1/4 | 69,577 | 1/4 | 58,834 | 1/4 | 48,091 | 1/4 | 37,349 | 1/4 | 26,627 | 1/4 | 15,890 | 1/4 | 5,152 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 69,353 | 1/2 | 58,610 | 1/2 | 47,868 | 1/2 | 37,125 | 1/2 | 26,404 | 1/2 | 15,666 | 1/2 | 4,930 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 69,129 | 3/4 | 58,386 | 3/4 | 47,644 | 3/4 | 36,901 | 3/4 | 26,181 | 3/4 | 15,442 | 3/4 | 4,707 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 1 | 68,905 | 1 | 58,163 | 1 | 47,420 | 1 | 36,677 | 1 | 25,958 | 1 | 15,218 | 1 | 4,485 | 1 | 1 | 1 | | | 1 |
| 1/4 | 68,681 | 1/4 | 57,939 | 1/4 | 47,196 | 1/4 | 36,453 | 1/4 | 25,734 | 1/4 | 14,994 | 1/4 | 4,264 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 68,458 | 1/2 | 57,715 | 1/2 | 46,972 | 1/2 | 36,230 | 1/2 | 25,511 | 1/2 | 14,771 | 1/2 | 4,042 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 68,234 | 3/4 | 57,491 | 3/4 | 46,748 | 3/4 | 36,006 | 3/4 | 25,287 | 3/4 | 14,547 | 3/4 | 3,821 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 2 | 68,010 | 2 | 57,267 | 2 | 46,525 | 2 | 35,782 | 2 | 25,064 | 2 | 14,323 | 2 | 3,600 | 2 | 2 | 2 | | | 2 |
| 1/4 | 67,786 | 1/4 | 57,044 | 1/4 | 46,301 | 1/4 | 35,558 | 1/4 | 24,840 | 1/4 | 14,099 | 1/4 | 3,380 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 67,562 | 1/2 | 56,820 | 1/2 | 46,077 | 1/2 | 35,334 | 1/2 | 24,617 | 1/2 | 13,875 | 1/2 | 3,161 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 67,339 | 3/4 | 56,596 | 3/4 | 45,853 | 3/4 | 35,111 | 3/4 | 24,394 | 3/4 | 13,652 | 3/4 | 2,942 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 3 | 67,115 | 3 | 56,372 | 3 | 45,629 | 3 | 34,887 | 3 | 24,170 | 3 | 13,428 | 3 | 2,722 | 3 | 3 | 3 | | | 3 |
| 1/4 | 66,891 | 1/4 | 56,148 | 1/4 | 45,406 | 1/4 | 34,663 | 1/4 | 23,946 | 1/4 | 13,204 | 1/4 | 2,518 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 66,667 | 1/2 | 55,925 | 1/2 | 45,182 | 1/2 | 34,439 | 1/2 | 23,722 | 1/2 | 12,980 | 1/2 | 2,313 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 66,443 | 3/4 | 55,701 | 3/4 | 44,958 | 3/4 | 34,215 | 3/4 | 23,499 | 3/4 | 12,756 | 3/4 | 2,109 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 4 | 66,220 | 4 | 55,477 | 4 | 44,734 | 4 | 33,992 | 4 | 23,275 | 4 | 12,533 | 4 | 1,904 | 4 | 4 | 4 | | | 4 |
| 1/4 | 65,996 | 1/4 | 55,253 | 1/4 | 44,510 | 1/4 | 33,768 | 1/4 | 23,051 | 1/4 | 12,309 | 1/4 | 1,736 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 65,772 | 1/2 | 55,029 | 1/2 | 44,287 | 1/2 | 33,544 | 1/2 | 22,827 | 1/2 | 12,085 | 1/2 | 1,568 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 65,548 | 3/4 | 54,805 | 3/4 | 44,063 | 3/4 | 33,320 | 3/4 | 22,603 | 3/4 | 11,861 | 3/4 | 1,401 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 5 | 65,324 | 5 | 54,582 | 5 | 43,839 | 5 | 33,096 | 5 | 22,380 | 5 | 11,637 | 5 | 1,233 | 5 | 5 | 5 | | | 5 |
| 1/4 | 65,101 | 1/4 | 54,358 | 1/4 | 43,615 | 1/4 | 32,873 | 1/4 | 22,156 | 1/4 | 11,414 | 1/4 | 1,102 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 64,877 | 1/2 | 54,134 | 1/2 | 43,391 | 1/2 | 32,650 | 1/2 | 21,932 | 1/2 | 11,190 | 1/2 | 972 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 64,653 | 3/4 | 53,910 | 3/4 | 43,168 | 3/4 | 32,427 | 3/4 | 21,708 | 3/4 | 10,966 | 3/4 | 841 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 6 | 64,429 | 6 | 53,686 | 6 | 42,944 | 6 | 32,204 | 6 | 21,485 | 6 | 10,742 | 6 | 711 | 6 | 6 | 6 | | | 6 |
| 1/4 | 64,205 | 1/4 | 53,463 | 1/4 | 42,720 | 1/4 | 31,981 | 1/4 | 21,261 | 1/4 | 10,518 | 1/4 | 617 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 63,982 | 1/2 | 53,239 | 1/2 | 42,496 | 1/2 | 31,758 | 1/2 | 21,037 | 1/2 | 10,295 | 1/2 | 524 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 63,758 | 3/4 | 53,015 | 3/4 | 42,272 | 3/4 | 31,535 | 3/4 | 20,813 | 3/4 | 10,071 | 3/4 | 431 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 7 | 63,534 | 7 | 52,791 | 7 | 42,049 | 7 | 31,312 | 7 | 20,589 | 7 | 9,847 | 7 | 338 | 7 | 7 | 7 | | | 7 |
| 1/4 | 63,310 | 1/4 | 52,567 | 1/4 | 41,825 | 1/4 | 31,089 | 1/4 | 20,366 | 1/4 | 9,623 | 1/4 | 282 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 63,086 | 1/2 | 52,344 | 1/2 | 41,601 | 1/2 | 30,866 | 1/2 | 20,142 | 1/2 | 9,400 | 1/2 | 226 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 62,862 | 3/4 | 52,120 | 3/4 | 41,377 | 3/4 | 30,642 | 3/4 | 19,918 | 3/4 | 9,176 | 3/4 | 170 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 8 | 62,639 | 8 | 51,896 | 8 | 41,153 | 8 | 30,419 | 8 | 19,694 | 8 | 8,952 | 8 | 114 | 8 | 8 | 8 | | | 8 |
| 1/4 | 62,415 | 1/4 | 51,672 | 1/4 | 40,930 | 1/4 | 30,196 | 1/4 | 19,470 | 1/4 | 8,728 | 1/4 | 95 | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 62,191 | 1/2 | 51,448 | 1/2 | 40,706 | 1/2 | 29,973 | 1/2 | 19,247 | 1/2 | 8,504 | 1/2 | 77 | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 61,967 | 3/4 | 51,225 | 3/4 | 40,482 | 3/4 | 29,750 | 3/4 | 19,023 | 3/4 | 8,281 | 3/4 | 58 | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 9 | 61,743 | 9 | 51,001 | 9 | 40,258 | 9 | 29,527 | 9 | 18,799 | 9 | 8,057 | 9 | 39 | 9 | 9 | 9 | | | 9 |
| 1/4 | 61,520 | 1/4 | 50,777 | 1/4 | 40,034 | 1/4 | 29,304 | 1/4 | 18,575 | 1/4 | 7,833 | 1/4 | | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 61,296 | 1/2 | 50,553 | 1/2 | 39,811 | 1/2 | 29,081 | 1/2 | 18,351 | 1/2 | 7,609 | 1/2 | | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 61,072 | 3/4 | 50,329 | 3/4 | 39,587 | 3/4 | 28,858 | 3/4 | 18,128 | 3/4 | 7,385 | 3/4 | | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 10 | 60,848 | 10 | 50,106 | 10 | 39,363 | 10 | 28,635 | 10 | 17,904 | 10 | 7,162 | 10 | | 10 | 10 | 10 | | | 10 |
| 1/4 | 60,624 | 1/4 | 49,882 | 1/4 | 39,139 | 1/4 | 28,412 | 1/4 | 17,680 | 1/4 | 6,938 | 1/4 | | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 60,401 | 1/2 | 49,658 | 1/2 | 38,915 | 1/2 | 28,188 | 1/2 | 17,456 | 1/2 | 6,714 | 1/2 | | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 60,177 | 3/4 | 49,434 | 3/4 | 38,692 | 3/4 | 27,965 | 3/4 | 17,232 | 3/4 | 6,491 | 3/4 | | 3/4 | 3/4 | 3/4 | | | 3/4 |
| 11 | 59,953 | 11 | 49,210 | 11 | 38,468 | 11 | 27,742 | 11 | 17,009 | 11 | 6,267 | 11 | | 11 | 11 | 11 | | | 11 |
| 1/4 | 59,729 | 1/4 | 48,987 | 1/4 | 38,244 | 1/4 | 27,519 | 1/4 | 16,785 | 1/4 | 6,044 | 1/4 | | 1/4 | 1/4 | 1/4 | | | 1/4 |
| 1/2 | 59,505 | 1/2 | 48,763 | 1/2 | 38,020 | 1/2 | 27,296 | 1/2 | 16,561 | 1/2 | 5,821 | 1/2 | | 1/2 | 1/2 | 1/2 | | | 1/2 |
| 3/4 | 59,282 | 3/4 | 48,539 | 3/4 | 37,796 | 3/4 | 27,073 | 3/4 | 16,337 | 3/4 | 5,598 | 3/4 | | 3/4 | 3/4 | 3/4 | | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2013 CL SW
CALCULATED: 04/26/2013 CL
PRINTED: 04/26/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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