



# BARGE "CBC 1304"

## INNAGE TRIM TABLE

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

(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 1 PORT IS 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 159'-06"

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# BARGE "CBC 1304"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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   | 26    | 0   | 7,971  | 0   | 18,429 | 0   | 28,951 | 0   | 39,598 | 0   | 50,244 | 0   | 60,890 | 0   | 71,537 | 0   | 82,183 | 0   | 92,829  |
| 1/4 | 45    | 1/4 | 8,193  | 1/4 | 18,643 | 1/4 | 29,173 | 1/4 | 39,819 | 1/4 | 50,466 | 1/4 | 61,112 | 1/4 | 71,758 | 1/4 | 82,405 | 1/4 | 93,051  |
| 1/2 | 63    | 1/2 | 8,415  | 1/2 | 18,857 | 1/2 | 29,395 | 1/2 | 40,041 | 1/2 | 50,688 | 1/2 | 61,334 | 1/2 | 71,980 | 1/2 | 82,627 | 1/2 | 93,273  |
| 3/4 | 82    | 3/4 | 8,637  | 3/4 | 19,071 | 3/4 | 29,617 | 3/4 | 40,263 | 3/4 | 50,909 | 3/4 | 61,556 | 3/4 | 72,202 | 3/4 | 82,848 | 3/4 | 93,495  |
| 1   | 100   | 1   | 8,859  | 1   | 19,285 | 1   | 29,838 | 1   | 40,485 | 1   | 51,131 | 1   | 61,778 | 1   | 72,424 | 1   | 83,070 | 1   | 93,717  |
| 1/4 | 156   | 1/4 | 9,080  | 1/4 | 19,499 | 1/4 | 30,060 | 1/4 | 40,707 | 1/4 | 51,353 | 1/4 | 61,999 | 1/4 | 72,646 | 1/4 | 83,292 | 1/4 | 93,938  |
| 1/2 | 211   | 1/2 | 9,302  | 1/2 | 19,713 | 1/2 | 30,282 | 1/2 | 40,928 | 1/2 | 51,575 | 1/2 | 62,221 | 1/2 | 72,867 | 1/2 | 83,514 | 1/2 | 94,160  |
| 3/4 | 267   | 3/4 | 9,524  | 3/4 | 19,927 | 3/4 | 30,504 | 3/4 | 41,150 | 3/4 | 51,797 | 3/4 | 62,443 | 3/4 | 73,089 | 3/4 | 83,736 | 3/4 | 94,382  |
| 2   | 322   | 2   | 9,746  | 2   | 20,141 | 2   | 30,726 | 2   | 41,372 | 2   | 52,018 | 2   | 62,665 | 2   | 73,311 | 2   | 83,957 | 2   | 94,604  |
| 1/4 | 414   | 1/4 | 9,967  | 1/4 | 20,355 | 1/4 | 30,947 | 1/4 | 41,594 | 1/4 | 52,240 | 1/4 | 62,887 | 1/4 | 73,533 | 1/4 | 84,179 | 1/4 | 94,826  |
| 1/2 | 507   | 1/2 | 10,189 | 1/2 | 20,569 | 1/2 | 31,169 | 1/2 | 41,816 | 1/2 | 52,462 | 1/2 | 63,108 | 1/2 | 73,755 | 1/2 | 84,401 | 1/2 | 95,047  |
| 3/4 | 599   | 3/4 | 10,411 | 3/4 | 20,783 | 3/4 | 31,391 | 3/4 | 42,037 | 3/4 | 52,684 | 3/4 | 63,330 | 3/4 | 73,976 | 3/4 | 84,623 | 3/4 | 95,269  |
| 3   | 692   | 3   | 10,633 | 3   | 20,997 | 3   | 31,613 | 3   | 42,259 | 3   | 52,906 | 3   | 63,552 | 3   | 74,198 | 3   | 84,845 | 3   | 95,491  |
| 1/4 | 821   | 1/4 | 10,855 | 1/4 | 21,211 | 1/4 | 31,835 | 1/4 | 42,481 | 1/4 | 53,127 | 1/4 | 63,774 | 1/4 | 74,420 | 1/4 | 85,066 | 1/4 | 95,713  |
| 1/2 | 950   | 1/2 | 11,076 | 1/2 | 21,425 | 1/2 | 32,056 | 1/2 | 42,703 | 1/2 | 53,349 | 1/2 | 63,996 | 1/2 | 74,642 | 1/2 | 85,288 | 1/2 | 95,935  |
| 3/4 | 1,080 | 3/4 | 11,298 | 3/4 | 21,639 | 3/4 | 32,278 | 3/4 | 42,925 | 3/4 | 53,571 | 3/4 | 64,217 | 3/4 | 74,864 | 3/4 | 85,510 | 3/4 | 96,156  |
| 4   | 1,209 | 4   | 11,520 | 4   | 21,854 | 4   | 32,500 | 4   | 43,146 | 4   | 53,793 | 4   | 64,439 | 4   | 75,085 | 4   | 85,732 | 4   | 96,378  |
| 1/4 | 1,375 | 1/4 | 11,742 | 1/4 | 22,075 | 1/4 | 32,722 | 1/4 | 43,368 | 1/4 | 54,015 | 1/4 | 64,661 | 1/4 | 75,307 | 1/4 | 85,954 | 1/4 | 96,600  |
| 1/2 | 1,542 | 1/2 | 11,963 | 1/2 | 22,297 | 1/2 | 32,944 | 1/2 | 43,590 | 1/2 | 54,236 | 1/2 | 64,883 | 1/2 | 75,529 | 1/2 | 86,175 | 1/2 | 96,822  |
| 3/4 | 1,708 | 3/4 | 12,185 | 3/4 | 22,519 | 3/4 | 33,165 | 3/4 | 43,812 | 3/4 | 54,458 | 3/4 | 65,105 | 3/4 | 75,751 | 3/4 | 86,397 | 3/4 | 97,044  |
| 5   | 1,874 | 5   | 12,407 | 5   | 22,741 | 5   | 33,387 | 5   | 44,034 | 5   | 54,680 | 5   | 65,326 | 5   | 75,973 | 5   | 86,619 | 5   | 97,265  |
| 1/4 | 2,077 | 1/4 | 12,629 | 1/4 | 22,963 | 1/4 | 33,609 | 1/4 | 44,255 | 1/4 | 54,902 | 1/4 | 65,548 | 1/4 | 76,194 | 1/4 | 86,841 | 1/4 | 97,487  |
| 1/2 | 2,280 | 1/2 | 12,850 | 1/2 | 23,184 | 1/2 | 33,831 | 1/2 | 44,477 | 1/2 | 55,124 | 1/2 | 65,770 | 1/2 | 76,416 | 1/2 | 87,063 | 1/2 | 97,709  |
| 3/4 | 2,482 | 3/4 | 13,072 | 3/4 | 23,406 | 3/4 | 34,053 | 3/4 | 44,699 | 3/4 | 55,345 | 3/4 | 65,992 | 3/4 | 76,638 | 3/4 | 87,284 | 3/4 | 97,931  |
| 6   | 2,685 | 6   | 13,294 | 6   | 23,628 | 6   | 34,274 | 6   | 44,921 | 6   | 55,567 | 6   | 66,214 | 6   | 76,860 | 6   | 87,506 | 6   | 98,153  |
| 1/4 | 2,903 | 1/4 | 13,508 | 1/4 | 23,850 | 1/4 | 34,496 | 1/4 | 45,143 | 1/4 | 55,789 | 1/4 | 66,435 | 1/4 | 77,082 | 1/4 | 87,728 | 1/4 | 98,374  |
| 1/2 | 3,120 | 1/2 | 13,722 | 1/2 | 24,072 | 1/2 | 34,718 | 1/2 | 45,364 | 1/2 | 56,011 | 1/2 | 66,657 | 1/2 | 77,303 | 1/2 | 87,950 | 1/2 | 98,596  |
| 3/4 | 3,337 | 3/4 | 13,937 | 3/4 | 24,293 | 3/4 | 34,940 | 3/4 | 45,586 | 3/4 | 56,233 | 3/4 | 66,879 | 3/4 | 77,525 | 3/4 | 88,172 | 3/4 | 98,818  |
| 7   | 3,555 | 7   | 14,151 | 7   | 24,515 | 7   | 35,162 | 7   | 45,808 | 7   | 56,454 | 7   | 67,101 | 7   | 77,747 | 7   | 88,393 | 7   | 99,040  |
| 1/4 | 3,774 | 1/4 | 14,365 | 1/4 | 24,737 | 1/4 | 35,383 | 1/4 | 46,030 | 1/4 | 56,676 | 1/4 | 67,323 | 1/4 | 77,969 | 1/4 | 88,615 | 1/4 | 99,261  |
| 1/2 | 3,993 | 1/2 | 14,579 | 1/2 | 24,959 | 1/2 | 35,605 | 1/2 | 46,252 | 1/2 | 56,898 | 1/2 | 67,544 | 1/2 | 78,191 | 1/2 | 88,837 | 1/2 | 99,483  |
| 3/4 | 4,212 | 3/4 | 14,793 | 3/4 | 25,181 | 3/4 | 35,827 | 3/4 | 46,473 | 3/4 | 57,120 | 3/4 | 67,766 | 3/4 | 78,412 | 3/4 | 89,059 | 3/4 | 99,705  |
| 8   | 4,432 | 8   | 15,007 | 8   | 25,402 | 8   | 36,049 | 8   | 46,695 | 8   | 57,342 | 8   | 67,988 | 8   | 78,634 | 8   | 89,281 | 8   | 99,927  |
| 1/4 | 4,652 | 1/4 | 15,221 | 1/4 | 25,624 | 1/4 | 36,271 | 1/4 | 46,917 | 1/4 | 57,563 | 1/4 | 68,210 | 1/4 | 78,856 | 1/4 | 89,502 | 1/4 | 100,148 |
| 1/2 | 4,873 | 1/2 | 15,434 | 1/2 | 25,846 | 1/2 | 36,492 | 1/2 | 47,139 | 1/2 | 57,785 | 1/2 | 68,431 | 1/2 | 79,078 | 1/2 | 89,724 | 1/2 | 100,370 |
| 3/4 | 5,093 | 3/4 | 15,648 | 3/4 | 26,068 | 3/4 | 36,714 | 3/4 | 47,361 | 3/4 | 58,007 | 3/4 | 68,653 | 3/4 | 79,300 | 3/4 | 89,946 | 3/4 | 100,592 |
| 9   | 5,313 | 9   | 15,862 | 9   | 26,290 | 9   | 36,936 | 9   | 47,582 | 9   | 58,229 | 9   | 68,875 | 9   | 79,521 | 9   | 90,168 | 9   | 100,813 |
| 1/4 | 5,535 | 1/4 | 16,076 | 1/4 | 26,511 | 1/4 | 37,158 | 1/4 | 47,804 | 1/4 | 58,451 | 1/4 | 69,097 | 1/4 | 79,743 | 1/4 | 90,390 | 1/4 | 101,035 |
| 1/2 | 5,756 | 1/2 | 16,290 | 1/2 | 26,733 | 1/2 | 37,380 | 1/2 | 48,026 | 1/2 | 58,672 | 1/2 | 69,319 | 1/2 | 79,965 | 1/2 | 90,611 | 1/2 | 101,257 |
| 3/4 | 5,977 | 3/4 | 16,504 | 3/4 | 26,955 | 3/4 | 37,601 | 3/4 | 48,248 | 3/4 | 58,894 | 3/4 | 69,540 | 3/4 | 80,187 | 3/4 | 90,833 | 3/4 | 101,479 |
| 10  | 6,198 | 10  | 16,718 | 10  | 27,177 | 10  | 37,823 | 10  | 48,470 | 10  | 59,116 | 10  | 69,762 | 10  | 80,409 | 10  | 91,055 | 10  | 101,700 |
| 1/4 | 6,420 | 1/4 | 16,932 | 1/4 | 27,399 | 1/4 | 38,045 | 1/4 | 48,691 | 1/4 | 59,338 | 1/4 | 69,984 | 1/4 | 80,630 | 1/4 | 91,277 | 1/4 | 101,922 |
| 1/2 | 6,641 | 1/2 | 17,146 | 1/2 | 27,620 | 1/2 | 38,267 | 1/2 | 48,913 | 1/2 | 59,560 | 1/2 | 70,206 | 1/2 | 80,852 | 1/2 | 91,499 | 1/2 | 102,144 |
| 3/4 | 6,863 | 3/4 | 17,360 | 3/4 | 27,842 | 3/4 | 38,489 | 3/4 | 49,135 | 3/4 | 59,781 | 3/4 | 70,428 | 3/4 | 81,074 | 3/4 | 91,720 | 3/4 | 102,365 |
| 11  | 7,084 | 11  | 17,574 | 11  | 28,064 | 11  | 38,710 | 11  | 49,357 | 11  | 60,003 | 11  | 70,649 | 11  | 81,296 | 11  | 91,942 | 11  | 102,587 |
| 1/4 | 7,306 | 1/4 | 17,788 | 1/4 | 28,286 | 1/4 | 38,932 | 1/4 | 49,579 | 1/4 | 60,225 | 1/4 | 70,871 | 1/4 | 81,518 | 1/4 | 92,164 | 1/4 | 102,809 |
| 1/2 | 7,528 | 1/2 | 18,002 | 1/2 | 28,508 | 1/2 | 39,154 | 1/2 | 49,800 | 1/2 | 60,447 | 1/2 | 71,093 | 1/2 | 81,739 | 1/2 | 92,386 | 1/2 | 103,031 |
| 3/4 | 7,750 | 3/4 | 18,216 | 3/4 | 28,729 | 3/4 | 39,376 | 3/4 | 50,022 | 3/4 | 60,669 | 3/4 | 71,315 | 3/4 | 81,961 | 3/4 | 92,608 | 3/4 | 103,252 |

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.

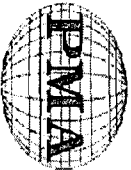
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

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# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| CAPACITIES GIVEN IN WHOLE GALLONS |         | GAUGE HEIGHT 15'-00" 1/4" |         |        |         |        |         |        |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |    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  |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |      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          |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |          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|-----------------------------------|---------|---------------------------|---------|--------|---------|--------|---------|--------|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|----------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| 10 FT.                            | 11 FT.  | 12 FT.                    | 13 FT.  | 14 FT. | 15 FT.  | 16 FT. | 17 FT.  | 18 FT. | 19 FT.  |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |         |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |   |           |  |
| 0                                 | 103,474 | 0                         | 114,116 | 0      | 124,721 | 0      | 135,289 | 0      | 143,931 | 0 | 151,584 | 0 | 159,266 | 0 | 166,974 | 0 | 174,706 | 0 | 182,462 | 0 | 190,242 | 0 | 198,046 | 0 | 205,874 | 0 | 213,726 | 0 | 221,602 | 0 | 229,502 | 0 | 237,426 | 0 | 245,374 | 0 | 253,346 | 0 | 261,342 | 0 | 269,362 | 0 | 277,406 | 0 | 285,474 | 0 | 293,566 | 0 | 301,682 | 0 | 309,822 | 0 | 317,986 | 0 | 326,174 | 0 | 334,386 | 0 | 342,622 | 0 | 350,882 | 0 | 359,168 | 0 | 367,474 | 0 | 375,802 | 0 | 384,152 | 0 | 392,524 | 0 | 400,918 | 0 | 409,334 | 0 | 417,772 | 0 | 426,232 | 0 | 434,714 | 0 | 443,218 | 0 | 451,744 | 0 | 460,292 | 0 | 468,862 | 0 | 477,454 | 0 | 486,068 | 0 | 494,704 | 0 | 503,362 | 0 | 512,042 | 0 | 520,744 | 0 | 529,468 | 0 | 538,214 | 0 | 546,982 | 0 | 555,772 | 0 | 564,584 | 0 | 573,418 | 0 | 582,274 | 0 | 591,152 | 0 | 600,052 | 0 | 608,974 | 0 | 617,918 | 0 | 626,882 | 0 | 635,866 | 0 | 644,870 | 0 | 653,894 | 0 | 662,938 | 0 | 671,992 | 0 | 681,056 | 0 | 690,138 | 0 | 699,234 | 0 | 708,344 | 0 | 717,468 | 0 | 726,606 | 0 | 735,758 | 0 | 744,924 | 0 | 754,104 | 0 | 763,298 | 0 | 772,506 | 0 | 781,728 | 0 | 790,964 | 0 | 800,214 | 0 | 809,478 | 0 | 818,756 | 0 | 828,048 | 0 | 837,354 | 0 | 846,674 | 0 | 855,998 | 0 | 865,336 | 0 | 874,688 | 0 | 884,054 | 0 | 893,434 | 0 | 902,828 | 0 | 912,236 | 0 | 921,658 | 0 | 931,094 | 0 | 940,544 | 0 | 949,998 | 0 | 959,466 | 0 | 968,948 | 0 | 978,444 | 0 | 987,954 | 0 | 997,478 | 0 | 1,006,994 | 0 | 1,016,522 | 0 | 1,026,052 | 0 | 1,035,584 | 0 | 1,045,118 | 0 | 1,054,654 | 0 | 1,064,192 | 0 | 1,073,732 | 0 | 1,083,274 | 0 | 1,092,818 | 0 | 1,102,364 | 0 | 1,111,902 | 0 | 1,121,442 | 0 | 1,130,984 | 0 | 1,140,528 | 0 | 1,150,074 | 0 | 1,159,612 | 0 | 1,169,152 | 0 | 1,178,694 | 0 | 1,188,238 | 0 | 1,197,784 | 0 | 1,207,322 | 0 | 1,216,862 | 0 | 1,226,404 | 0 | 1,235,948 | 0 | 1,245,494 | 0 | 1,255,032 | 0 | 1,264,572 | 0 | 1,274,114 | 0 | 1,283,658 | 0 | 1,293,204 | 0 | 1,302,742 | 0 | 1,312,282 | 0 | 1,321,824 | 0 | 1,331,368 | 0 | 1,340,914 | 0 | 1,350,452 | 0 | 1,359,992 | 0 | 1,369,534 | 0 | 1,379,078 | 0 | 1,388,614 | 0 | 1,398,152 | 0 | 1,407,692 | 0 | 1,417,234 | 0 | 1,426,778 | 0 | 1,436,314 | 0 | 1,445,852 | 0 | 1,455,392 | 0 | 1,464,934 | 0 | 1,474,478 | 0 | 1,484,014 | 0 | 1,493,552 | 0 | 1,503,092 | 0 | 1,512,634 | 0 | 1,522,178 | 0 | 1,531,714 | 0 | 1,541,252 | 0 | 1,550,792 | 0 | 1,560,334 | 0 | 1,569,878 | 0 | 1,579,414 | 0 | 1,588,952 | 0 | 1,598,492 | 0 | 1,608,034 | 0 | 1,617,578 | 0 | 1,627,114 | 0 | 1,636,652 | 0 | 1,646,188 | 0 | 1,655,726 | 0 | 1,665,266 | 0 | 1,674,808 | 0 | 1,684,342 | 0 | 1,693,878 | 0 | 1,703,416 | 0 | 1,712,956 | 0 | 1,722,498 | 0 | 1,732,032 | 0 | 1,741,568 | 0 | 1,751,106 | 0 | 1,760,646 | 0 | 1,770,188 | 0 | 1,779,722 | 0 | 1,789,258 | 0 | 1,798,796 | 0 | 1,808,336 | 0 | 1,817,878 | 0 | 1,827,414 | 0 | 1,836,952 | 0 | 1,846,492 | 0 | 1,856,034 | 0 | 1,865,578 | 0 | 1,875,114 | 0 | 1,884,652 | 0 | 1,894,192 | 0 | 1,903,734 | 0 | 1,913,278 | 0 | 1,922,814 | 0 | 1,932,352 | 0 | 1,941,892 | 0 | 1,951,434 | 0 | 1,960,978 | 0 | 1,970,514 | 0 | 1,980,052 | 0 | 1,989,592 | 0 | 1,999,134 | 0 | 2,008,678 | 0 | 2,018,214 | 0 | 2,027,752 | 0 | 2,037,292 | 0 | 2,046,834 | 0 | 2,056,378 | 0 | 2,065,914 | 0 | 2,075,452 | 0 | 2,084,992 | 0 | 2,094,534 | 0 | 2,104,078 | 0 | 2,113,614 | 0 | 2,123,152 | 0 | 2,132,692 | 0 | 2,142,234 | 0 | 2,151,778 | 0 | 2,161,314 | 0 | 2,170,852 | 0 | 2,180,392 | 0 | 2,189,934 | 0 | 2,199,478 | 0 | 2,209,014 | 0 | 2,218,552 | 0 | 2,228,092 | 0 | 2,237,634 | 0 | 2,247,178 | 0 | 2,256,714 | 0 | 2,266,252 | 0 | 2,275,792 | 0 | 2,285,334 | 0 | 2,294,878 | 0 | 2,304,414 | 0 | 2,313,952 | 0 | 2,323,492 | 0 | 2,333,034 | 0 | 2,342,578 | 0 | 2,352,114 | 0 | 2,361,652 | 0 | 2,371,192 | 0 | 2,380,734 | 0 | 2,390,278 | 0 | 2,400,814 | 0 | 2,410,352 | 0 | 2,419,892 | 0 | 2,429,434 | 0 | 2,438,978 | 0 | 2,448,514 | 0 | 2,458,052 | 0 | 2,467,592 | 0 | 2,477,134 | 0 | 2,486,678 | 0 | 2,496,214 | 0 | 2,505,752 | 0 | 2,515,292 | 0 | 2,524,834 | 0 | 2,534,378 | 0 | 2,543,914 | 0 | 2,553,452 | 0 | 2,562,992 | 0 | 2,572,534 | 0 | 2,582,078 | 0 | 2,591,614 | 0 | 2,601,152 | 0 | 2,610,692 | 0 | 2,620,234 | 0 | 2,629,778 | 0 | 2,639,314 | 0 | 2,648,852 | 0 | 2,658,392 | 0 | 2,667,934 | 0 | 2,677,478 | 0 | 2,687,014 | 0 | 2,696,552 | 0 | 2,706,092 | 0 | 2,715,634 | 0 | 2,725,178 | 0 | 2,734,714 | 0 | 2,744,252 | 0 | 2,753,792 | 0 | 2,763,334 | 0 | 2,772,878 | 0 | 2,782,414 | 0 | 2,791,952 | 0 | 2,801,492 | 0 | 2,811,034 | 0 | 2,820,578 | 0 | 2,830,114 | 0 | 2,839,652 | 0 | 2,849,192 | 0 | 2,858,734 | 0 | 2,868,278 | 0 | 2,877,814 | 0 | 2,887,352 | 0 | 2,896,892 | 0 | 2,906,434 | 0 | 2,915,978 | 0 | 2,925,514 | 0 | 2,935,052 | 0 | 2,944,592 | 0 | 2,954,134 | 0 | 2,963,678 | 0 | 2,973,214 | 0 | 2,982,752 | 0 | 2,992,292 | 0 | 3,001,834 | 0 | 3,011,378 | 0 | 3,020,914 | 0 | 3,030,452 | 0 | 3,040,000 | 0 | 3,049,534 | 0 | 3,059,078 | 0 | 3,068,614 | 0 | 3,078,152 | 0 | 3,087,692 | 0 | 3,097,234 | 0 | 3,106,778 | 0 | 3,116,314 | 0 | 3,125,852 | 0 | 3,135,392 | 0 | 3,144,934 | 0 | 3,154,478 | 0 | 3,164,014 | 0 | 3,173,552 | 0 | 3,183,092 | 0 | 3,192,634 | 0 | 3,202,178 | 0 | 3,211,714 | 0 | 3,221,252 | 0 | 3,230,792 | 0 | 3,240,334 | 0 | 3,249,878 | 0 | 3,259,414 | 0 | 3,268,952 | 0 | 3,278,492 | 0 | 3,288,034 | 0 | 3,297,578 | 0 | 3,307,114 | 0 | 3,316,652 | 0 | 3,326,192 | 0 | 3,335,734 | 0 | 3,345,278 | 0 | 3,354,814 | 0 | 3,364,352 | 0 | 3,373,892 | 0 | 3,383,434 | 0 | 3,392,978 | 0 | 3,402,514 | 0 | 3,412,052 | 0 | 3,421,592 | 0 | 3,431,134 | 0 | 3,440,678 | 0 | 3,450,214 | 0 | 3,459,752 | 0 | 3,469,292 | 0 | 3,478,834 | 0 | 3,488,378 | 0 | 3,497,914 | 0 | 3,507,452 | 0 | 3,516,992 | 0 | 3,526,534 | 0 | 3,536,078 | 0 | 3,545,614 | 0 | 3,555,152 | 0 | 3,564,692 | 0 | 3,574,234 | 0 | 3,583,778 | 0 | 3,593,314 | 0 | 3,602,852 | 0 | 3,612,392 | 0 | 3,621,934 | 0 | 3,631,478 | 0 | 3,641,014 | 0 | 3,650,552 | 0 | 3,660,092 | 0 | 3,669,634 | 0 | 3,679,178 | 0 | 3,688,714 | 0 | 3,698,252 | 0 | 3,707,792 | 0 | 3,717,334 | 0 | 3,726,878 | 0 | 3,736,414 | 0 | 3,745,952 | 0 | 3,755,492 | 0 | 3,765,034 | 0 | 3,774,578 | 0 | 3,784,114 | 0 | 3,793,652 | 0 | 3,803,192 | 0 | 3,812,734 | 0 | 3,822,278 | 0 | 3,831,814 | 0 | 3,841,352 | 0 | 3,850,892 | 0 | 3,860,434 | 0 | 3,869,978 | 0 | 3,879,514 | 0 | 3,889,052 | 0 | 3,898,592 | 0 | 3,908,134 | 0 | 3,917,678 | 0 | 3,927,214 | 0 | 3,936,752 | 0 | 3,946,292 | 0 | 3,955,834 | 0 | 3,965,378 | 0 | 3,974,914 | 0 | 3,984,452 | 0 | 3,994,000 | 0 | 4,003,534 | 0 | 4,013,078 | 0 | 4,022,614 | 0 | 4,032,152 | 0 | 4,041,692 | 0 | 4,051,234 | 0 | 4,060,778 | 0 | 4,070,314 | 0 | 4,079,852 | 0 | 4,089,392 | 0 | 4,098,934 | 0 | 4,108,478 | 0 | 4,118,014 | 0 | 4,127,552 | 0 | 4,137,092 | 0 | 4,146,634 | 0 | 4,156,178 | 0 | 4,165,714 | 0 | 4,175,252 | 0 | 4,184,792 | 0 | 4,194,334 | 0 | 4,203,878 | 0 | 4,213,414 | 0 | 4,222,952 | 0 | 4,232,492 | 0 | 4,242,034 | 0 | 4,251,578 | 0 | 4,261,114 | 0 | 4,270,652 | 0 | 4,280,192 | 0 | 4,289,734 | 0 | 4,299,278 | 0 | 4,308,814 | 0 | 4,318,352 | 0 | 4,327,892 | 0 | 4,337,434 | 0 | 4,346,978 | 0 | 4,356,514 | 0 | 4,366,052 | 0 | 4,375,592 | 0 | 4,385,134 | 0 | 4,394,678 | 0 | 4,404,214 | 0 | 4,413,752 | 0 | 4,423,292 | 0 | 4,432,834 | 0 | 4,442,378 | 0 | 4,451,914 | 0 | 4,461,452 | 0 | 4,470,992 | 0 | 4,480,534 | 0 | 4,490,078 | 0 | 4,500,614 | 0 | 4,510,152 | 0 | 4,519,692 | 0 | 4,529,234 | 0 | 4,538,778 | 0 | 4,548,314 | 0 | 4,557,852 | 0 | 4,567,392 | 0 | 4,576,934 | 0 | 4,586,478 | 0 | 4,596,014 | 0 | 4,605,552 | 0 | 4,615,092 | 0 | 4,624,634 | 0 | 4,634,178 | 0 | 4,643,714 | 0 | 4,653,252 | 0 | 4,662,792 | 0 | 4,672,334 | 0 | 4,681,878 | 0 | 4,691,414 | 0 | 4,700,952 | 0 | 4,710,492 | 0 | 4,720,034 | 0 | 4,729,578 | 0 | 4,739,114 | 0 | 4,748,652 | 0 | 4,758,192 | 0 | 4,767,734 | 0 | 4,777,278 | 0 | 4,786,814 | 0 | 4,796,352 | 0 | 4,805,892 | 0 | 4,815,434 | 0 | 4,824,978 | 0 | 4,834,514 | 0 | 4,844,052 | 0 | 4,853,592 | 0 | 4,863,134 | 0 | 4,872,678 | 0 | 4,882,214 | 0 | 4,891,752 | 0 | 4,901,292 | 0 | 4,910,834 | 0 | 4,920,378 | 0 | 4,929,914 | 0 | 4,939,452 | 0 | 4,948,992 | 0 | 4,958,534 | 0 | 4,968,078 | 0 | 4,977,614 | 0 | 4,987,152 | 0 | 4,996,692 | 0 | 5,006,234 | 0 | 5,015,778 | 0 | 5,025,314 | 0 | 5,034,852 | 0 | 5,044,392 | 0 | 5,053,934 | 0 | 5,063,478 | 0 | 5,073,014 | 0 | 5,082,552 | 0 | 5,092,092 | 0 | 5,101,634 | 0 | 5,111,178 | 0 | 5,120,714 | 0 | 5,130,252 | 0 | 5,139,792 | 0 | 5,149,334 | 0 | 5,158,878 | 0 | 5,168,414 | 0 | 5,177,952 | 0 | 5,187,492 | 0 | 5,197,034 | 0 | 5,206,578 | 0 | 5,216,114 | 0 | 5,225,652 | 0 | 5,235,192 | 0 | 5,244,734 | 0 | 5,254,278 | 0 | 5,263,814 | 0 | 5,273,352 | 0 | 5,282,892 | 0 | 5,292,434 | 0 | 5,301,978 | 0 | 5,311,514 | 0 | 5,321,052 | 0 | 5,330,592 | 0 | 5,340,134 | 0 | 5,349,678 | 0 | 5,359,214 | 0 | 5,368,752 | 0 | 5,378,292 | 0 | 5,387,834 | 0 | 5,397,378 | 0 | 5,406,914 | 0 | 5,416,452 | 0 | 5,425,992 | 0 | 5,435,534 | 0 | 5,445,078 | 0 | 5,454,614 | 0 | 5,464,152 | 0 | 5,473,692 | 0 | 5,483,234 | 0 | 5,492,778 | 0 | 5,502,314 | 0 | 5,511,852 | 0 | 5,521,392 | 0 | 5,530,934 | 0 | 5,540,478 | 0 | 5,550,014 | 0 | 5,559,552 | 0 | 5,569,092 | 0 | 5,578,634 | 0 | 5,588,178 | 0 | 5,597,714 | 0 | 5,607,252 | 0 | 5,616,792 | 0 | 5,626,334 | 0 | 5,635,878 | 0 | 5,645,414 | 0 | 5,654,952 | 0 | 5,664,492 | 0 | 5,674,034 | 0 | 5,683,578 | 0 | 5,693,114 | 0 | 5,702,652 | 0 | 5,712,192 | 0 | 5,721,734 | 0 | 5,731,278 | 0 | 5,740,814 | 0 | 5,750,352 | 0 | 5,759,892 | 0 | 5,769,434 | 0 | 5,778,978 | 0 | 5,788,514 | 0 | 5,798,052 | 0 | 5,807,592 | 0 | 5,817,134 | 0 | 5,826,678 | 0 | 5,836,214 | 0 | 5,845,752 | 0 | 5,855,292 | 0 | 5,864,834 | 0 | 5,874,378 |  |



# BARGE "CBC 1304"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   | 26    | 0   | 9,034  | 0   | 20,928 | 0   | 32,881 | 0   | 44,952 | 0   | 57,022 | 0   | 69,093 | 0   | 81,163 | 0   | 93,234  | 0   | 105,304 |
| 1/4 | 47    | 1/4 | 9,286  | 1/4 | 21,172 | 1/4 | 33,133 | 1/4 | 45,203 | 1/4 | 57,274 | 1/4 | 69,344 | 1/4 | 81,415 | 1/4 | 93,485  | 1/4 | 105,556 |
| 1/2 | 68    | 1/2 | 9,537  | 1/2 | 21,416 | 1/2 | 33,384 | 1/2 | 45,455 | 1/2 | 57,525 | 1/2 | 69,596 | 1/2 | 81,666 | 1/2 | 93,737  | 1/2 | 105,807 |
| 3/4 | 89    | 3/4 | 9,789  | 3/4 | 21,660 | 3/4 | 33,636 | 3/4 | 45,706 | 3/4 | 57,777 | 3/4 | 69,847 | 3/4 | 81,918 | 3/4 | 93,988  | 3/4 | 106,059 |
| 1   | 110   | 1   | 10,040 | 1   | 21,904 | 1   | 33,887 | 1   | 45,958 | 1   | 58,028 | 1   | 70,099 | 1   | 82,169 | 1   | 94,240  | 1   | 106,310 |
| 1/4 | 173   | 1/4 | 10,292 | 1/4 | 22,148 | 1/4 | 34,138 | 1/4 | 46,209 | 1/4 | 58,279 | 1/4 | 70,350 | 1/4 | 82,420 | 1/4 | 94,491  | 1/4 | 106,561 |
| 1/2 | 236   | 1/2 | 10,543 | 1/2 | 22,392 | 1/2 | 34,390 | 1/2 | 46,460 | 1/2 | 58,531 | 1/2 | 70,601 | 1/2 | 82,672 | 1/2 | 94,742  | 1/2 | 106,813 |
| 3/4 | 299   | 3/4 | 10,794 | 3/4 | 22,636 | 3/4 | 34,641 | 3/4 | 46,712 | 3/4 | 58,782 | 3/4 | 70,853 | 3/4 | 82,923 | 3/4 | 94,994  | 3/4 | 107,064 |
| 2   | 361   | 2   | 11,046 | 2   | 22,880 | 2   | 34,893 | 2   | 46,963 | 2   | 59,034 | 2   | 71,104 | 2   | 83,175 | 2   | 95,245  | 2   | 107,316 |
| 1/4 | 466   | 1/4 | 11,297 | 1/4 | 23,124 | 1/4 | 35,144 | 1/4 | 47,215 | 1/4 | 59,285 | 1/4 | 71,356 | 1/4 | 83,426 | 1/4 | 95,497  | 1/4 | 107,567 |
| 1/2 | 571   | 1/2 | 11,549 | 1/2 | 23,368 | 1/2 | 35,396 | 1/2 | 47,466 | 1/2 | 59,537 | 1/2 | 71,607 | 1/2 | 83,678 | 1/2 | 95,748  | 1/2 | 107,819 |
| 3/4 | 676   | 3/4 | 11,800 | 3/4 | 23,612 | 3/4 | 35,647 | 3/4 | 47,718 | 3/4 | 59,788 | 3/4 | 71,859 | 3/4 | 83,929 | 3/4 | 96,000  | 3/4 | 108,070 |
| 3   | 780   | 3   | 12,052 | 3   | 23,857 | 3   | 35,899 | 3   | 47,969 | 3   | 60,040 | 3   | 72,110 | 3   | 84,181 | 3   | 96,251  | 3   | 108,322 |
| 1/4 | 927   | 1/4 | 12,303 | 1/4 | 24,101 | 1/4 | 36,150 | 1/4 | 48,221 | 1/4 | 60,291 | 1/4 | 72,362 | 1/4 | 84,432 | 1/4 | 96,503  | 1/4 | 108,573 |
| 1/2 | 1,074 | 1/2 | 12,555 | 1/2 | 24,345 | 1/2 | 36,402 | 1/2 | 48,472 | 1/2 | 60,543 | 1/2 | 72,613 | 1/2 | 84,684 | 1/2 | 96,754  | 1/2 | 108,825 |
| 3/4 | 1,220 | 3/4 | 12,806 | 3/4 | 24,590 | 3/4 | 36,653 | 3/4 | 48,724 | 3/4 | 60,794 | 3/4 | 72,865 | 3/4 | 84,935 | 3/4 | 97,006  | 3/4 | 109,076 |
| 4   | 1,367 | 4   | 13,057 | 4   | 24,834 | 4   | 36,905 | 4   | 48,975 | 4   | 61,046 | 4   | 73,116 | 4   | 85,187 | 4   | 97,257  | 4   | 109,328 |
| 1/4 | 1,556 | 1/4 | 13,309 | 1/4 | 25,086 | 1/4 | 37,156 | 1/4 | 49,227 | 1/4 | 61,297 | 1/4 | 73,368 | 1/4 | 85,438 | 1/4 | 97,509  | 1/4 | 109,579 |
| 1/2 | 1,744 | 1/2 | 13,560 | 1/2 | 25,337 | 1/2 | 37,408 | 1/2 | 49,478 | 1/2 | 61,549 | 1/2 | 73,619 | 1/2 | 85,690 | 1/2 | 97,760  | 1/2 | 109,831 |
| 3/4 | 1,933 | 3/4 | 13,812 | 3/4 | 25,589 | 3/4 | 37,659 | 3/4 | 49,730 | 3/4 | 61,800 | 3/4 | 73,871 | 3/4 | 85,941 | 3/4 | 98,012  | 3/4 | 110,082 |
| 5   | 2,121 | 5   | 14,063 | 5   | 25,840 | 5   | 37,911 | 5   | 49,981 | 5   | 62,052 | 5   | 74,122 | 5   | 86,193 | 5   | 98,263  | 5   | 110,334 |
| 1/4 | 2,351 | 1/4 | 14,314 | 1/4 | 26,091 | 1/4 | 38,162 | 1/4 | 50,232 | 1/4 | 62,303 | 1/4 | 74,373 | 1/4 | 86,444 | 1/4 | 98,514  | 1/4 | 110,585 |
| 1/2 | 2,581 | 1/2 | 14,566 | 1/2 | 26,343 | 1/2 | 38,413 | 1/2 | 50,484 | 1/2 | 62,554 | 1/2 | 74,625 | 1/2 | 86,695 | 1/2 | 98,766  | 1/2 | 110,836 |
| 3/4 | 2,811 | 3/4 | 14,817 | 3/4 | 26,594 | 3/4 | 38,665 | 3/4 | 50,735 | 3/4 | 62,806 | 3/4 | 74,876 | 3/4 | 86,947 | 3/4 | 99,017  | 3/4 | 111,088 |
| 6   | 3,041 | 6   | 15,069 | 6   | 26,846 | 6   | 38,916 | 6   | 50,987 | 6   | 63,057 | 6   | 75,128 | 6   | 87,198 | 6   | 99,269  | 6   | 111,339 |
| 1/4 | 3,287 | 1/4 | 15,313 | 1/4 | 27,097 | 1/4 | 39,168 | 1/4 | 51,238 | 1/4 | 63,309 | 1/4 | 75,379 | 1/4 | 87,450 | 1/4 | 99,520  | 1/4 | 111,591 |
| 1/2 | 3,534 | 1/2 | 15,558 | 1/2 | 27,349 | 1/2 | 39,419 | 1/2 | 51,490 | 1/2 | 63,560 | 1/2 | 75,631 | 1/2 | 87,701 | 1/2 | 99,772  | 1/2 | 111,842 |
| 3/4 | 3,780 | 3/4 | 15,802 | 3/4 | 27,600 | 3/4 | 39,671 | 3/4 | 51,741 | 3/4 | 63,812 | 3/4 | 75,882 | 3/4 | 87,953 | 3/4 | 100,023 | 3/4 | 112,094 |
| 7   | 4,027 | 7   | 16,046 | 7   | 27,852 | 7   | 39,922 | 7   | 51,993 | 7   | 64,063 | 7   | 76,134 | 7   | 88,204 | 7   | 100,275 | 7   | 112,345 |
| 1/4 | 4,275 | 1/4 | 16,290 | 1/4 | 28,103 | 1/4 | 40,174 | 1/4 | 52,244 | 1/4 | 64,315 | 1/4 | 76,385 | 1/4 | 88,456 | 1/4 | 100,526 | 1/4 | 112,597 |
| 1/2 | 4,524 | 1/2 | 16,534 | 1/2 | 28,355 | 1/2 | 40,425 | 1/2 | 52,496 | 1/2 | 64,566 | 1/2 | 76,637 | 1/2 | 88,707 | 1/2 | 100,778 | 1/2 | 112,848 |
| 3/4 | 4,772 | 3/4 | 16,779 | 3/4 | 28,606 | 3/4 | 40,677 | 3/4 | 52,747 | 3/4 | 64,818 | 3/4 | 76,888 | 3/4 | 88,959 | 3/4 | 101,029 | 3/4 | 113,099 |
| 8   | 5,021 | 8   | 17,023 | 8   | 28,858 | 8   | 40,928 | 8   | 52,999 | 8   | 65,069 | 8   | 77,140 | 8   | 89,210 | 8   | 101,281 | 8   | 113,351 |
| 1/4 | 5,271 | 1/4 | 17,267 | 1/4 | 29,109 | 1/4 | 41,180 | 1/4 | 53,250 | 1/4 | 65,321 | 1/4 | 77,391 | 1/4 | 89,462 | 1/4 | 101,532 | 1/4 | 113,602 |
| 1/2 | 5,521 | 1/2 | 17,511 | 1/2 | 29,361 | 1/2 | 41,431 | 1/2 | 53,502 | 1/2 | 65,572 | 1/2 | 77,643 | 1/2 | 89,713 | 1/2 | 101,784 | 1/2 | 113,853 |
| 3/4 | 5,771 | 3/4 | 17,755 | 3/4 | 29,612 | 3/4 | 41,683 | 3/4 | 53,753 | 3/4 | 65,824 | 3/4 | 77,894 | 3/4 | 89,965 | 3/4 | 102,035 | 3/4 | 114,105 |
| 9   | 6,021 | 9   | 17,999 | 9   | 29,864 | 9   | 41,934 | 9   | 54,005 | 9   | 66,075 | 9   | 78,146 | 9   | 90,216 | 9   | 102,287 | 9   | 114,356 |
| 1/4 | 6,271 | 1/4 | 18,243 | 1/4 | 30,115 | 1/4 | 42,185 | 1/4 | 54,256 | 1/4 | 66,326 | 1/4 | 78,397 | 1/4 | 90,467 | 1/4 | 102,538 | 1/4 | 114,608 |
| 1/2 | 6,522 | 1/2 | 18,487 | 1/2 | 30,366 | 1/2 | 42,437 | 1/2 | 54,507 | 1/2 | 66,578 | 1/2 | 78,648 | 1/2 | 90,719 | 1/2 | 102,789 | 1/2 | 114,859 |
| 3/4 | 6,773 | 3/4 | 18,731 | 3/4 | 30,618 | 3/4 | 42,688 | 3/4 | 54,759 | 3/4 | 66,829 | 3/4 | 78,900 | 3/4 | 90,970 | 3/4 | 103,041 | 3/4 | 115,110 |
| 10  | 7,024 | 10  | 18,975 | 10  | 30,869 | 10  | 42,940 | 10  | 55,010 | 10  | 67,081 | 10  | 79,151 | 10  | 91,222 | 10  | 103,292 | 10  | 115,362 |
| 1/4 | 7,275 | 1/4 | 19,219 | 1/4 | 31,121 | 1/4 | 43,191 | 1/4 | 55,262 | 1/4 | 67,332 | 1/4 | 79,403 | 1/4 | 91,473 | 1/4 | 103,544 | 1/4 | 115,613 |
| 1/2 | 7,526 | 1/2 | 19,463 | 1/2 | 31,372 | 1/2 | 43,443 | 1/2 | 55,513 | 1/2 | 67,584 | 1/2 | 79,654 | 1/2 | 91,725 | 1/2 | 103,795 | 1/2 | 115,864 |
| 3/4 | 7,777 | 3/4 | 19,707 | 3/4 | 31,624 | 3/4 | 43,694 | 3/4 | 55,765 | 3/4 | 67,835 | 3/4 | 79,906 | 3/4 | 91,976 | 3/4 | 104,047 | 3/4 | 116,116 |
| 11  | 8,029 | 11  | 19,951 | 11  | 31,875 | 11  | 43,946 | 11  | 56,016 | 11  | 68,087 | 11  | 80,157 | 11  | 92,228 | 11  | 104,298 | 11  | 116,367 |
| 1/4 | 8,280 | 1/4 | 20,195 | 1/4 | 32,127 | 1/4 | 44,197 | 1/4 | 56,268 | 1/4 | 68,338 | 1/4 | 80,409 | 1/4 | 92,479 | 1/4 | 104,550 | 1/4 | 116,618 |
| 1/2 | 8,531 | 1/2 | 20,440 | 1/2 | 32,378 | 1/2 | 44,449 | 1/2 | 56,519 | 1/2 | 68,590 | 1/2 | 80,660 | 1/2 | 92,731 | 1/2 | 104,801 | 1/2 | 116,870 |
| 3/4 | 8,783 | 3/4 | 20,684 | 3/4 | 32,630 | 3/4 | 44,700 | 3/4 | 56,771 | 3/4 | 68,841 | 3/4 | 80,912 | 3/4 | 92,982 | 3/4 | 105,053 | 3/4 | 117,121 |

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 31'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1304"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   | 117,373 | 0   | 129,438 | 0   | 141,462 | 0   | 153,420 | 0   | 163,241 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 117,624 | 1/4 | 129,689 | 1/4 | 141,711 | 1/4 | 153,669 | 1/4 | 163,258 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 117,875 | 1/2 | 129,941 | 1/2 | 141,961 | 1/2 | 153,918 | 1/2 | 163,276 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 118,127 | 3/4 | 130,192 | 3/4 | 142,210 | 3/4 | 154,166 | 3/4 | 163,293 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 118,378 | 1   | 130,444 | 1   | 142,459 | 1   | 154,415 | 1   | 163,311 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 118,629 | 1/4 | 130,695 | 1/4 | 142,709 | 1/4 | 154,664 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 118,881 | 1/2 | 130,946 | 1/2 | 142,958 | 1/2 | 154,914 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,132 | 3/4 | 131,198 | 3/4 | 143,207 | 3/4 | 155,163 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 119,383 | 2   | 131,449 | 2   | 143,457 | 2   | 155,412 | 2   |         | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 119,635 | 1/4 | 131,700 | 1/4 | 143,706 | 1/4 | 155,661 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,886 | 1/2 | 131,952 | 1/2 | 143,955 | 1/2 | 155,911 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,138 | 3/4 | 132,203 | 3/4 | 144,204 | 3/4 | 156,160 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 120,389 | 3   | 132,454 | 3   | 144,454 | 3   | 156,409 | 3   |         | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 120,640 | 1/4 | 132,706 | 1/4 | 144,703 | 1/4 | 156,657 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,892 | 1/2 | 132,957 | 1/2 | 144,952 | 1/2 | 156,905 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,143 | 3/4 | 133,209 | 3/4 | 145,202 | 3/4 | 157,153 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 121,394 | 4   | 133,460 | 4   | 145,451 | 4   | 157,401 | 4   |         | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 121,646 | 1/4 | 133,711 | 1/4 | 145,700 | 1/4 | 157,649 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,897 | 1/2 | 133,963 | 1/2 | 145,949 | 1/2 | 157,897 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,149 | 3/4 | 134,214 | 3/4 | 146,199 | 3/4 | 158,145 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 122,400 | 5   | 134,465 | 5   | 146,448 | 5   | 158,393 | 5   |         | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 122,651 | 1/4 | 134,717 | 1/4 | 146,697 | 1/4 | 158,641 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,903 | 1/2 | 134,968 | 1/2 | 146,947 | 1/2 | 158,889 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,154 | 3/4 | 135,219 | 3/4 | 147,196 | 3/4 | 159,137 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 123,405 | 6   | 135,471 | 6   | 147,445 | 6   | 159,385 | 6   |         | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 123,657 | 1/4 | 135,722 | 1/4 | 147,695 | 1/4 | 159,633 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,908 | 1/2 | 135,974 | 1/2 | 147,944 | 1/2 | 159,881 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,159 | 3/4 | 136,225 | 3/4 | 148,193 | 3/4 | 160,129 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 124,411 | 7   | 136,476 | 7   | 148,442 | 7   | 160,377 | 7   |         | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 124,662 | 1/4 | 136,726 | 1/4 | 148,692 | 1/4 | 160,604 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 124,914 | 1/2 | 136,975 | 1/2 | 148,941 | 1/2 | 160,831 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 125,165 | 3/4 | 137,224 | 3/4 | 149,190 | 3/4 | 161,058 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 125,416 | 8   | 137,473 | 8   | 149,440 | 8   | 161,285 | 8   |         | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 125,668 | 1/4 | 137,723 | 1/4 | 149,689 | 1/4 | 161,470 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 125,919 | 1/2 | 137,972 | 1/2 | 149,938 | 1/2 | 161,655 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 126,170 | 3/4 | 138,221 | 3/4 | 150,187 | 3/4 | 161,840 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 126,422 | 9   | 138,471 | 9   | 150,437 | 9   | 162,026 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 126,673 | 1/4 | 138,720 | 1/4 | 150,685 | 1/4 | 162,169 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 126,924 | 1/2 | 138,969 | 1/2 | 150,934 | 1/2 | 162,312 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 127,176 | 3/4 | 139,219 | 3/4 | 151,183 | 3/4 | 162,455 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 127,427 | 10  | 139,468 | 10  | 151,431 | 10  | 162,598 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 127,679 | 1/4 | 139,717 | 1/4 | 151,680 | 1/4 | 162,700 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 127,930 | 1/2 | 139,966 | 1/2 | 151,929 | 1/2 | 162,801 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 128,181 | 3/4 | 140,216 | 3/4 | 152,177 | 3/4 | 162,902 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 128,433 | 11  | 140,465 | 11  | 152,426 | 11  | 163,003 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 128,684 | 1/4 | 140,714 | 1/4 | 152,675 | 1/4 | 163,063 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 128,935 | 1/2 | 140,964 | 1/2 | 152,923 | 1/2 | 163,122 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 129,187 | 3/4 | 141,213 | 3/4 | 153,172 | 3/4 | 163,182 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2008

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



# BARGE "CBC 1304"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   | 26    | 0   | 8,068  | 0   | 18,826 | 0   | 29,591 | 0   | 40,367 | 0   | 51,144 | 0   | 61,920 | 0   | 72,696 | 0   | 83,473 | 0   | 94,249  |
| 1/4 | 45    | 1/4 | 8,293  | 1/4 | 19,050 | 1/4 | 29,815 | 1/4 | 40,592 | 1/4 | 51,368 | 1/4 | 62,144 | 1/4 | 72,921 | 1/4 | 83,697 | 1/4 | 94,474  |
| 1/2 | 64    | 1/2 | 8,517  | 1/2 | 19,273 | 1/2 | 30,040 | 1/2 | 40,816 | 1/2 | 51,593 | 1/2 | 62,369 | 1/2 | 73,145 | 1/2 | 83,922 | 1/2 | 94,698  |
| 3/4 | 82    | 3/4 | 8,742  | 3/4 | 19,497 | 3/4 | 30,264 | 3/4 | 41,041 | 3/4 | 51,817 | 3/4 | 62,593 | 3/4 | 73,370 | 3/4 | 84,146 | 3/4 | 94,923  |
| 1   | 101   | 1   | 8,966  | 1   | 19,721 | 1   | 30,489 | 1   | 41,265 | 1   | 52,042 | 1   | 62,818 | 1   | 73,594 | 1   | 84,371 | 1   | 95,147  |
| 1/4 | 157   | 1/4 | 9,191  | 1/4 | 19,944 | 1/4 | 30,713 | 1/4 | 41,490 | 1/4 | 52,266 | 1/4 | 63,042 | 1/4 | 73,819 | 1/4 | 84,595 | 1/4 | 95,372  |
| 1/2 | 213   | 1/2 | 9,415  | 1/2 | 20,168 | 1/2 | 30,938 | 1/2 | 41,714 | 1/2 | 52,491 | 1/2 | 63,267 | 1/2 | 74,043 | 1/2 | 84,820 | 1/2 | 95,596  |
| 3/4 | 269   | 3/4 | 9,640  | 3/4 | 20,392 | 3/4 | 31,162 | 3/4 | 41,939 | 3/4 | 52,715 | 3/4 | 63,492 | 3/4 | 74,268 | 3/4 | 85,044 | 3/4 | 95,821  |
| 2   | 325   | 2   | 9,864  | 2   | 20,616 | 2   | 31,387 | 2   | 42,163 | 2   | 52,940 | 2   | 63,716 | 2   | 74,492 | 2   | 85,269 | 2   | 96,045  |
| 1/4 | 419   | 1/4 | 10,089 | 1/4 | 20,839 | 1/4 | 31,611 | 1/4 | 42,388 | 1/4 | 53,164 | 1/4 | 63,941 | 1/4 | 74,717 | 1/4 | 85,493 | 1/4 | 96,270  |
| 1/2 | 512   | 1/2 | 10,313 | 1/2 | 21,063 | 1/2 | 31,836 | 1/2 | 42,612 | 1/2 | 53,389 | 1/2 | 64,165 | 1/2 | 74,941 | 1/2 | 85,718 | 1/2 | 96,494  |
| 3/4 | 606   | 3/4 | 10,538 | 3/4 | 21,287 | 3/4 | 32,060 | 3/4 | 42,837 | 3/4 | 53,613 | 3/4 | 64,390 | 3/4 | 75,166 | 3/4 | 85,942 | 3/4 | 96,719  |
| 3   | 700   | 3   | 10,762 | 3   | 21,510 | 3   | 32,285 | 3   | 43,061 | 3   | 53,838 | 3   | 64,614 | 3   | 75,390 | 3   | 86,167 | 3   | 96,943  |
| 1/4 | 830   | 1/4 | 10,987 | 1/4 | 21,734 | 1/4 | 32,509 | 1/4 | 43,286 | 1/4 | 54,062 | 1/4 | 64,839 | 1/4 | 75,615 | 1/4 | 86,391 | 1/4 | 97,168  |
| 1/2 | 961   | 1/2 | 11,211 | 1/2 | 21,958 | 1/2 | 32,734 | 1/2 | 43,510 | 1/2 | 54,287 | 1/2 | 65,063 | 1/2 | 75,839 | 1/2 | 86,616 | 1/2 | 97,392  |
| 3/4 | 1,092 | 3/4 | 11,436 | 3/4 | 22,182 | 3/4 | 32,958 | 3/4 | 43,735 | 3/4 | 54,511 | 3/4 | 65,288 | 3/4 | 76,064 | 3/4 | 86,840 | 3/4 | 97,617  |
| 4   | 1,223 | 4   | 11,660 | 4   | 22,406 | 4   | 33,183 | 4   | 43,959 | 4   | 54,736 | 4   | 65,512 | 4   | 76,288 | 4   | 87,065 | 4   | 97,841  |
| 1/4 | 1,392 | 1/4 | 11,885 | 1/4 | 22,631 | 1/4 | 33,407 | 1/4 | 44,184 | 1/4 | 54,960 | 1/4 | 65,737 | 1/4 | 76,513 | 1/4 | 87,289 | 1/4 | 98,066  |
| 1/2 | 1,560 | 1/2 | 12,109 | 1/2 | 22,855 | 1/2 | 33,632 | 1/2 | 44,408 | 1/2 | 55,185 | 1/2 | 65,961 | 1/2 | 76,738 | 1/2 | 87,514 | 1/2 | 98,290  |
| 3/4 | 1,728 | 3/4 | 12,333 | 3/4 | 23,080 | 3/4 | 33,856 | 3/4 | 44,633 | 3/4 | 55,409 | 3/4 | 66,186 | 3/4 | 76,962 | 3/4 | 87,738 | 3/4 | 98,515  |
| 5   | 1,897 | 5   | 12,558 | 5   | 23,304 | 5   | 34,081 | 5   | 44,857 | 5   | 55,634 | 5   | 66,410 | 5   | 77,187 | 5   | 87,963 | 5   | 98,739  |
| 1/4 | 2,102 | 1/4 | 12,782 | 1/4 | 23,529 | 1/4 | 34,305 | 1/4 | 45,082 | 1/4 | 55,858 | 1/4 | 66,635 | 1/4 | 77,411 | 1/4 | 88,187 | 1/4 | 98,964  |
| 1/2 | 2,307 | 1/2 | 13,007 | 1/2 | 23,754 | 1/2 | 34,530 | 1/2 | 45,306 | 1/2 | 56,083 | 1/2 | 66,859 | 1/2 | 77,636 | 1/2 | 88,412 | 1/2 | 99,188  |
| 3/4 | 2,512 | 3/4 | 13,231 | 3/4 | 23,978 | 3/4 | 34,754 | 3/4 | 45,531 | 3/4 | 56,307 | 3/4 | 67,084 | 3/4 | 77,860 | 3/4 | 88,636 | 3/4 | 99,413  |
| 6   | 2,717 | 6   | 13,456 | 6   | 24,203 | 6   | 34,979 | 6   | 45,755 | 6   | 56,532 | 6   | 67,308 | 6   | 78,085 | 6   | 88,861 | 6   | 99,637  |
| 1/4 | 2,937 | 1/4 | 13,680 | 1/4 | 24,427 | 1/4 | 35,203 | 1/4 | 45,980 | 1/4 | 56,756 | 1/4 | 67,533 | 1/4 | 78,309 | 1/4 | 89,085 | 1/4 | 99,862  |
| 1/2 | 3,158 | 1/2 | 13,904 | 1/2 | 24,652 | 1/2 | 35,428 | 1/2 | 46,204 | 1/2 | 56,981 | 1/2 | 67,757 | 1/2 | 78,534 | 1/2 | 89,310 | 1/2 | 100,086 |
| 3/4 | 3,378 | 3/4 | 14,128 | 3/4 | 24,876 | 3/4 | 35,652 | 3/4 | 46,429 | 3/4 | 57,205 | 3/4 | 67,982 | 3/4 | 78,758 | 3/4 | 89,534 | 3/4 | 100,311 |
| 7   | 3,598 | 7   | 14,352 | 7   | 25,101 | 7   | 35,877 | 7   | 46,653 | 7   | 57,430 | 7   | 68,206 | 7   | 78,983 | 7   | 89,759 | 7   | 100,535 |
| 1/4 | 3,820 | 1/4 | 14,576 | 1/4 | 25,325 | 1/4 | 36,101 | 1/4 | 46,878 | 1/4 | 57,654 | 1/4 | 68,431 | 1/4 | 79,207 | 1/4 | 89,984 | 1/4 | 100,760 |
| 1/2 | 4,041 | 1/2 | 14,799 | 1/2 | 25,550 | 1/2 | 36,326 | 1/2 | 47,102 | 1/2 | 57,879 | 1/2 | 68,655 | 1/2 | 79,432 | 1/2 | 90,208 | 1/2 | 100,984 |
| 3/4 | 4,263 | 3/4 | 15,023 | 3/4 | 25,774 | 3/4 | 36,550 | 3/4 | 47,327 | 3/4 | 58,103 | 3/4 | 68,880 | 3/4 | 79,656 | 3/4 | 90,433 | 3/4 | 101,209 |
| 8   | 4,485 | 8   | 15,247 | 8   | 25,999 | 8   | 36,775 | 8   | 47,551 | 8   | 58,328 | 8   | 69,104 | 8   | 79,881 | 8   | 90,657 | 8   | 101,433 |
| 1/4 | 4,709 | 1/4 | 15,470 | 1/4 | 26,223 | 1/4 | 37,000 | 1/4 | 47,776 | 1/4 | 58,552 | 1/4 | 69,329 | 1/4 | 80,105 | 1/4 | 90,882 | 1/4 | 101,658 |
| 1/2 | 4,932 | 1/2 | 15,694 | 1/2 | 26,448 | 1/2 | 37,224 | 1/2 | 48,000 | 1/2 | 58,777 | 1/2 | 69,553 | 1/2 | 80,330 | 1/2 | 91,106 | 1/2 | 101,882 |
| 3/4 | 5,155 | 3/4 | 15,918 | 3/4 | 26,672 | 3/4 | 37,449 | 3/4 | 48,225 | 3/4 | 59,001 | 3/4 | 69,778 | 3/4 | 80,554 | 3/4 | 91,331 | 3/4 | 102,107 |
| 9   | 5,378 | 9   | 16,142 | 9   | 26,897 | 9   | 37,673 | 9   | 48,449 | 9   | 59,226 | 9   | 70,002 | 9   | 80,779 | 9   | 91,555 | 9   | 102,331 |
| 1/4 | 5,602 | 1/4 | 16,365 | 1/4 | 27,121 | 1/4 | 37,898 | 1/4 | 48,674 | 1/4 | 59,450 | 1/4 | 70,227 | 1/4 | 81,003 | 1/4 | 91,780 | 1/4 | 102,556 |
| 1/2 | 5,826 | 1/2 | 16,589 | 1/2 | 27,346 | 1/2 | 38,122 | 1/2 | 48,898 | 1/2 | 59,675 | 1/2 | 70,451 | 1/2 | 81,228 | 1/2 | 92,004 | 1/2 | 102,780 |
| 3/4 | 6,049 | 3/4 | 16,813 | 3/4 | 27,570 | 3/4 | 38,347 | 3/4 | 49,123 | 3/4 | 59,899 | 3/4 | 70,676 | 3/4 | 81,452 | 3/4 | 92,229 | 3/4 | 103,005 |
| 10  | 6,273 | 10  | 17,036 | 10  | 27,795 | 10  | 38,571 | 10  | 49,347 | 10  | 60,124 | 10  | 70,900 | 10  | 81,677 | 10  | 92,453 | 10  | 103,229 |
| 1/4 | 6,498 | 1/4 | 17,260 | 1/4 | 28,019 | 1/4 | 38,796 | 1/4 | 49,572 | 1/4 | 60,348 | 1/4 | 71,125 | 1/4 | 81,901 | 1/4 | 92,678 | 1/4 | 103,454 |
| 1/2 | 6,722 | 1/2 | 17,484 | 1/2 | 28,244 | 1/2 | 39,020 | 1/2 | 49,796 | 1/2 | 60,573 | 1/2 | 71,349 | 1/2 | 82,126 | 1/2 | 92,902 | 1/2 | 103,678 |
| 3/4 | 6,946 | 3/4 | 17,707 | 3/4 | 28,468 | 3/4 | 39,245 | 3/4 | 50,021 | 3/4 | 60,797 | 3/4 | 71,574 | 3/4 | 82,350 | 3/4 | 93,127 | 3/4 | 103,903 |
| 11  | 7,170 | 11  | 17,931 | 11  | 28,693 | 11  | 39,469 | 11  | 50,246 | 11  | 61,022 | 11  | 71,798 | 11  | 82,575 | 11  | 93,351 | 11  | 104,127 |
| 1/4 | 7,395 | 1/4 | 18,155 | 1/4 | 28,917 | 1/4 | 39,694 | 1/4 | 50,470 | 1/4 | 61,246 | 1/4 | 72,023 | 1/4 | 82,799 | 1/4 | 93,576 | 1/4 | 104,352 |
| 1/2 | 7,619 | 1/2 | 18,379 | 1/2 | 29,142 | 1/2 | 39,918 | 1/2 | 50,695 | 1/2 | 61,471 | 1/2 | 72,247 | 1/2 | 83,024 | 1/2 | 93,800 | 1/2 | 104,576 |
| 3/4 | 7,844 | 3/4 | 18,602 | 3/4 | 29,366 | 3/4 | 40,143 | 3/4 | 50,919 | 3/4 | 61,695 | 3/4 | 72,472 | 3/4 | 83,248 | 3/4 | 94,025 | 3/4 | 104,801 |

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1304"

3 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| N   | 10 FT.  | N   | 11 FT.  | N   | 12 FT.  | N   | 13 FT.  | N   | 14 FT.  | N   | 15 FT. | N   | 16 FT. | N   | 17 FT. | N   | 18 FT. | N   | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 105,025 | 0   | 115,802 | 0   | 126,540 | 0   | 137,218 | 0   | 145,988 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 105,250 | 1/4 | 116,026 | 1/4 | 126,762 | 1/4 | 137,440 | 1/4 | 146,003 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 105,474 | 1/2 | 116,251 | 1/2 | 126,985 | 1/2 | 137,662 | 1/2 | 146,019 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 105,699 | 3/4 | 116,475 | 3/4 | 127,208 | 3/4 | 137,884 | 3/4 | 146,035 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 105,923 | 1   | 116,700 | 1   | 127,430 | 1   | 138,106 | 1   | 146,050 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 106,148 | 1/4 | 116,924 | 1/4 | 127,653 | 1/4 | 138,329 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 106,372 | 1/2 | 117,149 | 1/2 | 127,875 | 1/2 | 138,551 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 106,597 | 3/4 | 117,373 | 3/4 | 128,098 | 3/4 | 138,774 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 106,821 | 2   | 117,598 | 2   | 128,321 | 2   | 138,997 | 2   |         | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 107,046 | 1/4 | 117,822 | 1/4 | 128,543 | 1/4 | 139,219 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 107,270 | 1/2 | 118,047 | 1/2 | 128,766 | 1/2 | 139,442 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 107,495 | 3/4 | 118,271 | 3/4 | 128,988 | 3/4 | 139,664 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 107,719 | 3   | 118,496 | 3   | 129,211 | 3   | 139,887 | 3   |         | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 107,944 | 1/4 | 118,720 | 1/4 | 129,434 | 1/4 | 140,108 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 108,168 | 1/2 | 118,945 | 1/2 | 129,656 | 1/2 | 140,330 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 108,393 | 3/4 | 119,169 | 3/4 | 129,879 | 3/4 | 140,551 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 108,617 | 4   | 119,394 | 4   | 130,102 | 4   | 140,773 | 4   |         | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 108,842 | 1/4 | 119,618 | 1/4 | 130,324 | 1/4 | 140,994 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 109,066 | 1/2 | 119,843 | 1/2 | 130,547 | 1/2 | 141,216 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 109,291 | 3/4 | 120,067 | 3/4 | 130,769 | 3/4 | 141,437 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 109,515 | 5   | 120,292 | 5   | 130,992 | 5   | 141,658 | 5   |         | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 109,740 | 1/4 | 120,516 | 1/4 | 131,215 | 1/4 | 141,880 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 109,964 | 1/2 | 120,741 | 1/2 | 131,437 | 1/2 | 142,101 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 110,189 | 3/4 | 120,965 | 3/4 | 131,660 | 3/4 | 142,323 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 110,413 | 6   | 121,190 | 6   | 131,882 | 6   | 142,544 | 6   |         | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 110,638 | 1/4 | 121,414 | 1/4 | 132,105 | 1/4 | 142,766 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 110,862 | 1/2 | 121,639 | 1/2 | 132,328 | 1/2 | 142,987 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 111,087 | 3/4 | 121,863 | 3/4 | 132,550 | 3/4 | 143,209 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 111,311 | 7   | 122,088 | 7   | 132,773 | 7   | 143,430 | 7   |         | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 111,536 | 1/4 | 122,310 | 1/4 | 132,995 | 1/4 | 143,653 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 111,761 | 1/2 | 122,533 | 1/2 | 133,218 | 1/2 | 143,875 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 111,985 | 3/4 | 122,755 | 3/4 | 133,441 | 3/4 | 144,098 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 112,210 | 8   | 122,978 | 8   | 133,663 | 8   | 144,321 | 8   |         | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 112,434 | 1/4 | 123,201 | 1/4 | 133,886 | 1/4 | 144,546 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 112,659 | 1/2 | 123,423 | 1/2 | 134,109 | 1/2 | 144,767 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 112,883 | 3/4 | 123,646 | 3/4 | 134,331 | 3/4 | 144,989 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 113,108 | 9   | 123,868 | 9   | 134,554 | 9   | 145,210 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 113,332 | 1/4 | 124,091 | 1/4 | 134,776 | 1/4 | 145,432 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 113,557 | 1/2 | 124,314 | 1/2 | 134,998 | 1/2 | 145,654 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 113,781 | 3/4 | 124,536 | 3/4 | 135,220 | 3/4 | 145,876 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 114,006 | 10  | 124,759 | 10  | 135,442 | 10  | 146,100 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 114,230 | 1/4 | 124,982 | 1/4 | 135,664 | 1/4 | 146,322 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 114,455 | 1/2 | 125,204 | 1/2 | 135,886 | 1/2 | 146,544 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 114,679 | 3/4 | 125,427 | 3/4 | 136,108 | 3/4 | 146,766 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 114,904 | 11  | 125,649 | 11  | 136,330 | 11  | 146,988 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 115,128 | 1/4 | 125,872 | 1/4 | 136,552 | 1/4 | 147,210 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 115,353 | 1/2 | 126,095 | 1/2 | 136,774 | 1/2 | 147,432 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 115,577 | 3/4 | 126,317 | 3/4 | 136,996 | 3/4 | 147,654 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2008

PRECISION MEASUREMENT

& ANALYSIS, INC.

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



## BARGE "CBC 1304"

### 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 CENTER | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     |
| 2 CENTER | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-1/2     | - 00-1/2     | 00-5/8     | - 00-5/8     | 00-3/4     | - 00-3/4     |
| 3 CENTER | 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     | 00-1/2     | - 00-1/2     |

(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 1 PORT IS - 00-1/8"  
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 159'-06"

June 17, 2008

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588

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# BARGE "CBC 1304"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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   |         | 0   | 143,946 | 0   | 135,488 | 0   | 124,941 | 0   | 114,338 | 0   | 103,696 | 0   | 93,051 | 0   | 82,405 | 0   | 71,758 | 0   | 61,112 |
| 1/4 |         | 1/4 | 143,931 | 1/4 | 135,269 | 1/4 | 124,721 | 1/4 | 114,116 | 1/4 | 103,474 | 1/4 | 92,829 | 1/4 | 82,183 | 1/4 | 71,537 | 1/4 | 60,890 |
| 1/2 |         | 1/2 | 143,878 | 1/2 | 135,049 | 1/2 | 124,501 | 1/2 | 113,894 | 1/2 | 103,252 | 1/2 | 92,608 | 1/2 | 81,961 | 1/2 | 71,315 | 1/2 | 60,669 |
| 3/4 |         | 3/4 | 143,826 | 3/4 | 134,830 | 3/4 | 124,282 | 3/4 | 113,673 | 3/4 | 103,031 | 3/4 | 92,386 | 3/4 | 81,739 | 3/4 | 71,093 | 3/4 | 60,447 |
| 1   |         | 1   | 143,773 | 1   | 134,611 | 1   | 124,062 | 1   | 113,451 | 1   | 102,809 | 1   | 92,164 | 1   | 81,518 | 1   | 70,871 | 1   | 60,225 |
| 1/4 |         | 1/4 | 143,721 | 1/4 | 134,392 | 1/4 | 123,842 | 1/4 | 113,229 | 1/4 | 102,587 | 1/4 | 91,942 | 1/4 | 81,296 | 1/4 | 70,649 | 1/4 | 60,003 |
| 1/2 |         | 1/2 | 143,632 | 1/2 | 134,172 | 1/2 | 123,622 | 1/2 | 113,007 | 1/2 | 102,365 | 1/2 | 91,720 | 1/2 | 81,074 | 1/2 | 70,428 | 1/2 | 59,781 |
| 3/4 |         | 3/4 | 143,542 | 3/4 | 133,953 | 3/4 | 123,402 | 3/4 | 112,786 | 3/4 | 102,144 | 3/4 | 91,499 | 3/4 | 80,852 | 3/4 | 70,206 | 3/4 | 59,560 |
| 2   |         | 2   | 143,453 | 2   | 133,734 | 2   | 123,182 | 2   | 112,564 | 2   | 101,922 | 2   | 91,277 | 2   | 80,630 | 2   | 69,984 | 2   | 59,338 |
| 1/4 |         | 1/4 | 143,364 | 1/4 | 133,514 | 1/4 | 122,962 | 1/4 | 112,342 | 1/4 | 101,700 | 1/4 | 91,055 | 1/4 | 80,409 | 1/4 | 69,762 | 1/4 | 59,116 |
| 1/2 |         | 1/2 | 143,237 | 1/2 | 133,295 | 1/2 | 122,742 | 1/2 | 112,121 | 1/2 | 101,479 | 1/2 | 90,833 | 1/2 | 80,187 | 1/2 | 69,540 | 1/2 | 58,894 |
| 3/4 |         | 3/4 | 143,111 | 3/4 | 133,076 | 3/4 | 122,523 | 3/4 | 111,899 | 3/4 | 101,257 | 3/4 | 90,611 | 3/4 | 79,965 | 3/4 | 69,319 | 3/4 | 58,672 |
| 3   |         | 3   | 142,985 | 3   | 132,856 | 3   | 122,303 | 3   | 111,677 | 3   | 101,035 | 3   | 90,390 | 3   | 79,743 | 3   | 69,097 | 3   | 58,451 |
| 1/4 |         | 1/4 | 142,859 | 1/4 | 132,637 | 1/4 | 122,083 | 1/4 | 111,455 | 1/4 | 100,813 | 1/4 | 90,168 | 1/4 | 79,521 | 1/4 | 68,875 | 1/4 | 58,229 |
| 1/2 |         | 1/2 | 142,695 | 1/2 | 132,417 | 1/2 | 121,863 | 1/2 | 111,234 | 1/2 | 100,592 | 1/2 | 89,946 | 1/2 | 79,300 | 1/2 | 68,653 | 1/2 | 58,007 |
| 3/4 |         | 3/4 | 142,532 | 3/4 | 132,197 | 3/4 | 121,643 | 3/4 | 111,012 | 3/4 | 100,370 | 3/4 | 89,724 | 3/4 | 79,078 | 3/4 | 68,431 | 3/4 | 57,785 |
| 4   |         | 4   | 142,369 | 4   | 131,977 | 4   | 121,423 | 4   | 110,790 | 4   | 100,148 | 4   | 89,502 | 4   | 78,856 | 4   | 68,210 | 4   | 57,563 |
| 1/4 |         | 1/4 | 142,205 | 1/4 | 131,758 | 1/4 | 121,203 | 1/4 | 110,569 | 1/4 | 99,927  | 1/4 | 89,281 | 1/4 | 78,634 | 1/4 | 67,988 | 1/4 | 57,342 |
| 1/2 |         | 1/2 | 142,005 | 1/2 | 131,538 | 1/2 | 120,983 | 1/2 | 110,347 | 1/2 | 99,705  | 1/2 | 89,059 | 1/2 | 78,412 | 1/2 | 67,766 | 1/2 | 57,120 |
| 3/4 |         | 3/4 | 141,805 | 3/4 | 131,318 | 3/4 | 120,763 | 3/4 | 110,125 | 3/4 | 99,483  | 3/4 | 88,837 | 3/4 | 78,191 | 3/4 | 67,544 | 3/4 | 56,898 |
| 5   |         | 5   | 141,605 | 5   | 131,098 | 5   | 120,544 | 5   | 109,903 | 5   | 99,261  | 5   | 88,615 | 5   | 77,969 | 5   | 67,323 | 5   | 56,676 |
| 1/4 |         | 1/4 | 141,405 | 1/4 | 130,878 | 1/4 | 120,324 | 1/4 | 109,682 | 1/4 | 99,040  | 1/4 | 88,393 | 1/4 | 77,747 | 1/4 | 67,101 | 1/4 | 56,454 |
| 1/2 |         | 1/2 | 141,186 | 1/2 | 130,658 | 1/2 | 120,102 | 1/2 | 109,460 | 1/2 | 98,818  | 1/2 | 88,172 | 1/2 | 77,525 | 1/2 | 66,879 | 1/2 | 56,233 |
| 3/4 |         | 3/4 | 140,967 | 3/4 | 130,438 | 3/4 | 119,880 | 3/4 | 109,238 | 3/4 | 98,596  | 3/4 | 87,950 | 3/4 | 77,303 | 3/4 | 66,657 | 3/4 | 56,011 |
| 6   |         | 6   | 140,748 | 6   | 130,218 | 6   | 119,659 | 6   | 109,017 | 6   | 98,374  | 6   | 87,728 | 6   | 77,082 | 6   | 66,435 | 6   | 55,789 |
| 1/4 |         | 1/4 | 140,530 | 1/4 | 129,999 | 1/4 | 119,437 | 1/4 | 108,795 | 1/4 | 98,153  | 1/4 | 87,506 | 1/4 | 76,860 | 1/4 | 66,214 | 1/4 | 55,567 |
| 1/2 |         | 1/2 | 140,311 | 1/2 | 129,779 | 1/2 | 119,215 | 1/2 | 108,573 | 1/2 | 97,931  | 1/2 | 87,284 | 1/2 | 76,638 | 1/2 | 65,992 | 1/2 | 55,345 |
| 3/4 |         | 3/4 | 140,092 | 3/4 | 129,559 | 3/4 | 118,993 | 3/4 | 108,352 | 3/4 | 97,709  | 3/4 | 87,063 | 3/4 | 76,416 | 3/4 | 65,770 | 3/4 | 55,124 |
| 7   |         | 7   | 139,873 | 7   | 129,339 | 7   | 118,772 | 7   | 108,130 | 7   | 97,487  | 7   | 86,841 | 7   | 76,194 | 7   | 65,548 | 7   | 54,902 |
| 1/4 |         | 1/4 | 139,655 | 1/4 | 129,119 | 1/4 | 118,550 | 1/4 | 107,908 | 1/4 | 97,265  | 1/4 | 86,619 | 1/4 | 75,973 | 1/4 | 65,326 | 1/4 | 54,680 |
| 1/2 |         | 1/2 | 139,436 | 1/2 | 128,899 | 1/2 | 118,328 | 1/2 | 107,686 | 1/2 | 97,044  | 1/2 | 86,397 | 1/2 | 75,751 | 1/2 | 65,105 | 1/2 | 54,458 |
| 3/4 |         | 3/4 | 139,217 | 3/4 | 128,679 | 3/4 | 118,107 | 3/4 | 107,465 | 3/4 | 96,822  | 3/4 | 86,175 | 3/4 | 75,529 | 3/4 | 64,883 | 3/4 | 54,236 |
| 8   |         | 8   | 138,999 | 8   | 128,459 | 8   | 117,885 | 8   | 107,243 | 8   | 96,600  | 8   | 85,954 | 8   | 75,307 | 8   | 64,661 | 8   | 54,015 |
| 1/4 |         | 1/4 | 138,780 | 1/4 | 128,239 | 1/4 | 117,663 | 1/4 | 107,021 | 1/4 | 96,378  | 1/4 | 85,732 | 1/4 | 75,085 | 1/4 | 64,439 | 1/4 | 53,793 |
| 1/2 |         | 1/2 | 138,561 | 1/2 | 128,020 | 1/2 | 117,442 | 1/2 | 106,800 | 1/2 | 96,156  | 1/2 | 85,510 | 1/2 | 74,864 | 1/2 | 64,217 | 1/2 | 53,571 |
| 3/4 |         | 3/4 | 138,342 | 3/4 | 127,800 | 3/4 | 117,220 | 3/4 | 106,578 | 3/4 | 95,935  | 3/4 | 85,288 | 3/4 | 74,642 | 3/4 | 63,996 | 3/4 | 53,349 |
| 9   |         | 9   | 138,124 | 9   | 127,580 | 9   | 116,998 | 9   | 106,356 | 9   | 95,713  | 9   | 85,066 | 9   | 74,420 | 9   | 63,774 | 9   | 53,127 |
| 1/4 |         | 1/4 | 137,905 | 1/4 | 127,360 | 1/4 | 116,776 | 1/4 | 106,134 | 1/4 | 95,491  | 1/4 | 84,845 | 1/4 | 74,198 | 1/4 | 63,552 | 1/4 | 52,906 |
| 1/2 |         | 1/2 | 137,685 | 1/2 | 127,140 | 1/2 | 116,555 | 1/2 | 105,913 | 1/2 | 95,269  | 1/2 | 84,623 | 1/2 | 73,976 | 1/2 | 63,330 | 1/2 | 52,684 |
| 3/4 |         | 3/4 | 137,465 | 3/4 | 126,920 | 3/4 | 116,333 | 3/4 | 105,691 | 3/4 | 95,047  | 3/4 | 84,401 | 3/4 | 73,755 | 3/4 | 63,108 | 3/4 | 52,462 |
| 10  |         | 10  | 137,245 | 10  | 126,700 | 10  | 116,111 | 10  | 105,469 | 10  | 94,826  | 10  | 84,179 | 10  | 73,533 | 10  | 62,887 | 10  | 52,240 |
| 1/4 |         | 1/4 | 137,025 | 1/4 | 126,480 | 1/4 | 115,890 | 1/4 | 105,248 | 1/4 | 94,604  | 1/4 | 83,957 | 1/4 | 73,311 | 1/4 | 62,665 | 1/4 | 52,018 |
| 1/2 |         | 1/2 | 136,806 | 1/2 | 126,261 | 1/2 | 115,668 | 1/2 | 105,026 | 1/2 | 94,382  | 1/2 | 83,736 | 1/2 | 73,089 | 1/2 | 62,443 | 1/2 | 51,797 |
| 3/4 |         | 3/4 | 136,586 | 3/4 | 126,041 | 3/4 | 115,446 | 3/4 | 104,804 | 3/4 | 94,160  | 3/4 | 83,514 | 3/4 | 72,867 | 3/4 | 62,221 | 3/4 | 51,575 |
| 11  |         | 11  | 136,366 | 11  | 125,821 | 11  | 115,224 | 11  | 104,582 | 11  | 93,938  | 11  | 83,292 | 11  | 72,646 | 11  | 61,999 | 11  | 51,353 |
| 1/4 | 143,992 | 1/4 | 136,146 | 1/4 | 125,601 | 1/4 | 115,003 | 1/4 | 104,361 | 1/4 | 93,717  | 1/4 | 83,070 | 1/4 | 72,424 | 1/4 | 61,778 | 1/4 | 51,131 |
| 1/2 | 143,977 | 1/2 | 135,927 | 1/2 | 125,381 | 1/2 | 114,781 | 1/2 | 104,139 | 1/2 | 93,495  | 1/2 | 82,848 | 1/2 | 72,202 | 1/2 | 61,556 | 1/2 | 50,909 |
| 3/4 | 143,961 | 3/4 | 135,707 | 3/4 | 125,161 | 3/4 | 114,559 | 3/4 | 103,917 | 3/4 | 93,273  | 3/4 | 82,627 | 3/4 | 71,980 | 3/4 | 61,334 | 3/4 | 50,688 |

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  
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# BARGE "CBC 1304"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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   | 50,466 | 0   | 39,819 | 0   | 29,173 | 0   | 18,643 | 0   | 8,193  | 0   | 45     | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 50,244 | 1/4 | 39,598 | 1/4 | 28,951 | 1/4 | 18,429 | 1/4 | 7,971  | 1/4 | 26     | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 50,022 | 1/2 | 39,376 | 1/2 | 28,729 | 1/2 | 18,216 | 1/2 | 7,750  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 49,800 | 3/4 | 39,154 | 3/4 | 28,508 | 3/4 | 18,002 | 3/4 | 7,528  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 49,579 | 1   | 38,932 | 1   | 28,286 | 1   | 17,788 | 1   | 7,306  | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 49,357 | 1/4 | 38,710 | 1/4 | 28,064 | 1/4 | 17,574 | 1/4 | 7,084  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 49,135 | 1/2 | 38,489 | 1/2 | 27,842 | 1/2 | 17,360 | 1/2 | 6,863  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 48,913 | 3/4 | 38,267 | 3/4 | 27,620 | 3/4 | 17,146 | 3/4 | 6,641  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 48,691 | 2   | 38,045 | 2   | 27,399 | 2   | 16,932 | 2   | 6,420  | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 48,470 | 1/4 | 37,823 | 1/4 | 27,177 | 1/4 | 16,718 | 1/4 | 6,198  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 48,248 | 1/2 | 37,601 | 1/2 | 26,955 | 1/2 | 16,504 | 1/2 | 5,977  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 48,026 | 3/4 | 37,380 | 3/4 | 26,733 | 3/4 | 16,290 | 3/4 | 5,756  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 47,804 | 3   | 37,158 | 3   | 26,511 | 3   | 16,076 | 3   | 5,535  | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 47,582 | 1/4 | 36,936 | 1/4 | 26,290 | 1/4 | 15,862 | 1/4 | 5,313  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 47,361 | 1/2 | 36,714 | 1/2 | 26,068 | 1/2 | 15,648 | 1/2 | 5,093  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 47,139 | 3/4 | 36,492 | 3/4 | 25,846 | 3/4 | 15,434 | 3/4 | 4,873  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 46,917 | 4   | 36,271 | 4   | 25,624 | 4   | 15,221 | 4   | 4,652  | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 46,695 | 1/4 | 36,049 | 1/4 | 25,402 | 1/4 | 15,007 | 1/4 | 4,432  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 46,473 | 1/2 | 35,827 | 1/2 | 25,181 | 1/2 | 14,793 | 1/2 | 4,212  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 46,252 | 3/4 | 35,605 | 3/4 | 24,959 | 3/4 | 14,579 | 3/4 | 3,993  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 46,030 | 5   | 35,383 | 5   | 24,737 | 5   | 14,365 | 5   | 3,774  | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 45,808 | 1/4 | 35,162 | 1/4 | 24,515 | 1/4 | 14,151 | 1/4 | 3,555  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 45,586 | 1/2 | 34,940 | 1/2 | 24,293 | 1/2 | 13,937 | 1/2 | 3,337  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 45,364 | 3/4 | 34,718 | 3/4 | 24,072 | 3/4 | 13,722 | 3/4 | 3,120  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 45,143 | 6   | 34,496 | 6   | 23,850 | 6   | 13,508 | 6   | 2,903  | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 44,921 | 1/4 | 34,274 | 1/4 | 23,628 | 1/4 | 13,294 | 1/4 | 2,685  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 44,699 | 1/2 | 34,053 | 1/2 | 23,406 | 1/2 | 13,072 | 1/2 | 2,482  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 44,477 | 3/4 | 33,831 | 3/4 | 23,184 | 3/4 | 12,850 | 3/4 | 2,280  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 44,255 | 7   | 33,609 | 7   | 22,963 | 7   | 12,629 | 7   | 2,077  | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 44,034 | 1/4 | 33,387 | 1/4 | 22,741 | 1/4 | 12,407 | 1/4 | 1,874  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 43,812 | 1/2 | 33,165 | 1/2 | 22,519 | 1/2 | 12,185 | 1/2 | 1,708  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 43,590 | 3/4 | 32,944 | 3/4 | 22,297 | 3/4 | 11,963 | 3/4 | 1,542  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 43,368 | 8   | 32,722 | 8   | 22,075 | 8   | 11,742 | 8   | 1,375  | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 43,146 | 1/4 | 32,500 | 1/4 | 21,854 | 1/4 | 11,520 | 1/4 | 1,209  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 42,925 | 1/2 | 32,278 | 1/2 | 21,639 | 1/2 | 11,298 | 1/2 | 1,080  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 42,703 | 3/4 | 32,056 | 3/4 | 21,425 | 3/4 | 11,076 | 3/4 | 950    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 42,481 | 9   | 31,835 | 9   | 21,211 | 9   | 10,855 | 9   | 821    | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 42,259 | 1/4 | 31,613 | 1/4 | 20,997 | 1/4 | 10,633 | 1/4 | 692    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 42,037 | 1/2 | 31,391 | 1/2 | 20,783 | 1/2 | 10,411 | 1/2 | 599    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 41,816 | 3/4 | 31,169 | 3/4 | 20,569 | 3/4 | 10,189 | 3/4 | 507    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 41,594 | 10  | 30,947 | 10  | 20,355 | 10  | 9,967  | 10  | 414    | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 41,372 | 1/4 | 30,726 | 1/4 | 20,141 | 1/4 | 9,746  | 1/4 | 322    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 41,150 | 1/2 | 30,504 | 1/2 | 19,927 | 1/2 | 9,524  | 1/2 | 267    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 40,928 | 3/4 | 30,282 | 3/4 | 19,713 | 3/4 | 9,302  | 3/4 | 211    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 40,707 | 11  | 30,060 | 11  | 19,499 | 11  | 9,080  | 11  | 158    | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 40,485 | 1/4 | 29,838 | 1/4 | 19,285 | 1/4 | 8,859  | 1/4 | 100    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 40,263 | 1/2 | 29,617 | 1/2 | 19,071 | 1/2 | 8,637  | 1/2 | 82     | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 40,041 | 3/4 | 29,395 | 3/4 | 18,857 | 3/4 | 8,415  | 3/4 | 63     | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2008

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CBC 1304"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   |         | 0   | 163,241 | 0   | 153,420 | 0   | 141,462 | 0   | 129,438 | 0   | 117,373 | 0   | 105,304 | 0   | 93,234 | 0   | 81,163 | 0   | 69,093 |
| 1/4 |         | 1/4 | 163,182 | 1/4 | 153,172 | 1/4 | 141,213 | 1/4 | 129,187 | 1/4 | 117,121 | 1/4 | 105,053 | 1/4 | 92,982 | 1/4 | 80,912 | 1/4 | 68,841 |
| 1/2 |         | 1/2 | 163,122 | 1/2 | 152,973 | 1/2 | 140,964 | 1/2 | 128,935 | 1/2 | 116,870 | 1/2 | 104,801 | 1/2 | 92,731 | 1/2 | 80,660 | 1/2 | 68,590 |
| 3/4 |         | 3/4 | 163,063 | 3/4 | 152,675 | 3/4 | 140,714 | 3/4 | 128,684 | 3/4 | 116,618 | 3/4 | 104,550 | 3/4 | 92,479 | 3/4 | 80,409 | 3/4 | 68,338 |
| 1   |         | 1   | 163,003 | 1   | 152,426 | 1   | 140,465 | 1   | 128,433 | 1   | 116,367 | 1   | 104,298 | 1   | 92,228 | 1   | 80,157 | 1   | 68,087 |
| 1/4 |         | 1/4 | 162,902 | 1/4 | 152,177 | 1/4 | 140,216 | 1/4 | 128,181 | 1/4 | 116,116 | 1/4 | 104,047 | 1/4 | 91,976 | 1/4 | 79,906 | 1/4 | 67,835 |
| 1/2 |         | 1/2 | 162,801 | 1/2 | 151,929 | 1/2 | 139,966 | 1/2 | 127,930 | 1/2 | 115,864 | 1/2 | 103,795 | 1/2 | 91,725 | 1/2 | 79,654 | 1/2 | 67,584 |
| 3/4 |         | 3/4 | 162,700 | 3/4 | 151,680 | 3/4 | 139,717 | 3/4 | 127,679 | 3/4 | 115,613 | 3/4 | 103,544 | 3/4 | 91,473 | 3/4 | 79,403 | 3/4 | 67,332 |
| 2   |         | 2   | 162,598 | 2   | 151,431 | 2   | 139,468 | 2   | 127,427 | 2   | 115,362 | 2   | 103,292 | 2   | 91,222 | 2   | 79,151 | 2   | 67,081 |
| 1/4 |         | 1/4 | 162,455 | 1/4 | 151,183 | 1/4 | 139,219 | 1/4 | 127,176 | 1/4 | 115,110 | 1/4 | 103,041 | 1/4 | 90,970 | 1/4 | 78,900 | 1/4 | 66,829 |
| 1/2 |         | 1/2 | 162,312 | 1/2 | 150,934 | 1/2 | 138,969 | 1/2 | 126,924 | 1/2 | 114,859 | 1/2 | 102,789 | 1/2 | 90,719 | 1/2 | 78,648 | 1/2 | 66,578 |
| 3/4 |         | 3/4 | 162,169 | 3/4 | 150,685 | 3/4 | 138,720 | 3/4 | 126,673 | 3/4 | 114,608 | 3/4 | 102,538 | 3/4 | 90,467 | 3/4 | 78,397 | 3/4 | 66,326 |
| 3   |         | 3   | 162,026 | 3   | 150,437 | 3   | 138,471 | 3   | 126,422 | 3   | 114,356 | 3   | 102,287 | 3   | 90,216 | 3   | 78,146 | 3   | 66,075 |
| 1/4 |         | 1/4 | 161,840 | 1/4 | 150,187 | 1/4 | 138,221 | 1/4 | 126,170 | 1/4 | 114,105 | 1/4 | 102,035 | 1/4 | 89,965 | 1/4 | 77,894 | 1/4 | 65,824 |
| 1/2 |         | 1/2 | 161,655 | 1/2 | 149,938 | 1/2 | 137,972 | 1/2 | 125,919 | 1/2 | 113,853 | 1/2 | 101,784 | 1/2 | 89,713 | 1/2 | 77,643 | 1/2 | 65,572 |
| 3/4 |         | 3/4 | 161,470 | 3/4 | 149,689 | 3/4 | 137,723 | 3/4 | 125,668 | 3/4 | 113,602 | 3/4 | 101,532 | 3/4 | 89,462 | 3/4 | 77,391 | 3/4 | 65,321 |
| 4   |         | 4   | 161,285 | 4   | 149,440 | 4   | 137,473 | 4   | 125,416 | 4   | 113,351 | 4   | 101,281 | 4   | 89,210 | 4   | 77,140 | 4   | 65,069 |
| 1/4 |         | 1/4 | 161,058 | 1/4 | 149,190 | 1/4 | 137,224 | 1/4 | 125,165 | 1/4 | 113,099 | 1/4 | 101,029 | 1/4 | 88,959 | 1/4 | 76,888 | 1/4 | 64,818 |
| 1/2 |         | 1/2 | 160,831 | 1/2 | 148,941 | 1/2 | 136,975 | 1/2 | 124,914 | 1/2 | 112,848 | 1/2 | 100,778 | 1/2 | 88,707 | 1/2 | 76,637 | 1/2 | 64,566 |
| 3/4 |         | 3/4 | 160,604 | 3/4 | 148,692 | 3/4 | 136,726 | 3/4 | 124,662 | 3/4 | 112,597 | 3/4 | 100,526 | 3/4 | 88,456 | 3/4 | 76,385 | 3/4 | 64,315 |
| 5   |         | 5   | 160,377 | 5   | 148,442 | 5   | 136,476 | 5   | 124,411 | 5   | 112,345 | 5   | 100,275 | 5   | 88,204 | 5   | 76,134 | 5   | 64,063 |
| 1/4 |         | 1/4 | 160,129 | 1/4 | 148,193 | 1/4 | 136,225 | 1/4 | 124,159 | 1/4 | 112,094 | 1/4 | 100,023 | 1/4 | 87,953 | 1/4 | 75,882 | 1/4 | 63,812 |
| 1/2 |         | 1/2 | 159,881 | 1/2 | 147,944 | 1/2 | 135,974 | 1/2 | 123,908 | 1/2 | 111,842 | 1/2 | 99,772  | 1/2 | 87,701 | 1/2 | 75,631 | 1/2 | 63,560 |
| 3/4 |         | 3/4 | 159,633 | 3/4 | 147,695 | 3/4 | 135,722 | 3/4 | 123,657 | 3/4 | 111,591 | 3/4 | 99,520  | 3/4 | 87,450 | 3/4 | 75,379 | 3/4 | 63,309 |
| 6   |         | 6   | 159,385 | 6   | 147,445 | 6   | 135,471 | 6   | 123,405 | 6   | 111,339 | 6   | 99,269  | 6   | 87,198 | 6   | 75,128 | 6   | 63,057 |
| 1/4 |         | 1/4 | 159,137 | 1/4 | 147,196 | 1/4 | 135,219 | 1/4 | 123,154 | 1/4 | 111,088 | 1/4 | 99,017  | 1/4 | 86,947 | 1/4 | 74,876 | 1/4 | 62,806 |
| 1/2 |         | 1/2 | 158,889 | 1/2 | 146,947 | 1/2 | 134,968 | 1/2 | 122,903 | 1/2 | 110,836 | 1/2 | 98,766  | 1/2 | 86,695 | 1/2 | 74,625 | 1/2 | 62,554 |
| 3/4 |         | 3/4 | 158,641 | 3/4 | 146,697 | 3/4 | 134,717 | 3/4 | 122,651 | 3/4 | 110,585 | 3/4 | 98,514  | 3/4 | 86,444 | 3/4 | 74,373 | 3/4 | 62,303 |
| 7   |         | 7   | 158,393 | 7   | 146,448 | 7   | 134,465 | 7   | 122,400 | 7   | 110,334 | 7   | 98,263  | 7   | 86,193 | 7   | 74,122 | 7   | 62,052 |
| 1/4 |         | 1/4 | 158,145 | 1/4 | 146,199 | 1/4 | 134,214 | 1/4 | 122,149 | 1/4 | 110,082 | 1/4 | 98,012  | 1/4 | 85,941 | 1/4 | 73,871 | 1/4 | 61,800 |
| 1/2 |         | 1/2 | 157,897 | 1/2 | 145,949 | 1/2 | 133,963 | 1/2 | 121,897 | 1/2 | 109,831 | 1/2 | 97,760  | 1/2 | 85,690 | 1/2 | 73,619 | 1/2 | 61,549 |
| 3/4 |         | 3/4 | 157,649 | 3/4 | 145,700 | 3/4 | 133,711 | 3/4 | 121,646 | 3/4 | 109,579 | 3/4 | 97,509  | 3/4 | 85,438 | 3/4 | 73,368 | 3/4 | 61,297 |
| 8   |         | 8   | 157,401 | 8   | 145,451 | 8   | 133,460 | 8   | 121,394 | 8   | 109,328 | 8   | 97,257  | 8   | 85,187 | 8   | 73,116 | 8   | 61,046 |
| 1/4 |         | 1/4 | 157,153 | 1/4 | 145,202 | 1/4 | 133,209 | 1/4 | 121,143 | 1/4 | 109,076 | 1/4 | 97,006  | 1/4 | 84,935 | 1/4 | 72,865 | 1/4 | 60,794 |
| 1/2 |         | 1/2 | 156,905 | 1/2 | 144,952 | 1/2 | 132,957 | 1/2 | 120,892 | 1/2 | 108,825 | 1/2 | 96,754  | 1/2 | 84,684 | 1/2 | 72,613 | 1/2 | 60,543 |
| 3/4 |         | 3/4 | 156,657 | 3/4 | 144,703 | 3/4 | 132,706 | 3/4 | 120,640 | 3/4 | 108,573 | 3/4 | 96,503  | 3/4 | 84,432 | 3/4 | 72,362 | 3/4 | 60,291 |
| 9   |         | 9   | 156,409 | 9   | 144,454 | 9   | 132,454 | 9   | 120,389 | 9   | 108,322 | 9   | 96,251  | 9   | 84,181 | 9   | 72,110 | 9   | 60,040 |
| 1/4 |         | 1/4 | 156,160 | 1/4 | 144,204 | 1/4 | 132,203 | 1/4 | 120,138 | 1/4 | 108,070 | 1/4 | 96,000  | 1/4 | 83,929 | 1/4 | 71,859 | 1/4 | 59,788 |
| 1/2 |         | 1/2 | 155,911 | 1/2 | 143,955 | 1/2 | 131,952 | 1/2 | 119,886 | 1/2 | 107,819 | 1/2 | 95,748  | 1/2 | 83,678 | 1/2 | 71,607 | 1/2 | 59,537 |
| 3/4 |         | 3/4 | 155,661 | 3/4 | 143,706 | 3/4 | 131,700 | 3/4 | 119,635 | 3/4 | 107,567 | 3/4 | 95,497  | 3/4 | 83,426 | 3/4 | 71,356 | 3/4 | 59,285 |
| 10  |         | 10  | 155,412 | 10  | 143,457 | 10  | 131,449 | 10  | 119,383 | 10  | 107,316 | 10  | 95,245  | 10  | 83,175 | 10  | 71,104 | 10  | 59,034 |
| 1/4 |         | 1/4 | 155,163 | 1/4 | 143,207 | 1/4 | 131,198 | 1/4 | 119,132 | 1/4 | 107,064 | 1/4 | 94,994  | 1/4 | 82,923 | 1/4 | 70,853 | 1/4 | 58,782 |
| 1/2 |         | 1/2 | 154,914 | 1/2 | 142,958 | 1/2 | 130,946 | 1/2 | 118,881 | 1/2 | 106,813 | 1/2 | 94,742  | 1/2 | 82,672 | 1/2 | 70,601 | 1/2 | 58,531 |
| 3/4 |         | 3/4 | 154,664 | 3/4 | 142,709 | 3/4 | 130,695 | 3/4 | 118,629 | 3/4 | 106,561 | 3/4 | 94,491  | 3/4 | 82,420 | 3/4 | 70,350 | 3/4 | 58,279 |
| 11  | 163,311 | 11  | 154,415 | 11  | 142,459 | 11  | 130,444 | 11  | 118,378 | 11  | 106,310 | 11  | 94,240  | 11  | 82,169 | 11  | 70,099 | 11  | 58,028 |
| 1/4 | 163,293 | 1/4 | 154,166 | 1/4 | 142,210 | 1/4 | 130,192 | 1/4 | 118,127 | 1/4 | 106,059 | 1/4 | 93,988  | 1/4 | 81,918 | 1/4 | 69,847 | 1/4 | 57,777 |
| 1/2 | 163,276 | 1/2 | 153,918 | 1/2 | 141,961 | 1/2 | 129,941 | 1/2 | 117,875 | 1/2 | 105,807 | 1/2 | 93,737  | 1/2 | 81,666 | 1/2 | 69,596 | 1/2 | 57,525 |
| 3/4 | 163,258 | 3/4 | 153,669 | 3/4 | 141,711 | 3/4 | 129,689 | 3/4 | 117,624 | 3/4 | 105,556 | 3/4 | 93,485  | 3/4 | 81,415 | 3/4 | 69,344 | 3/4 | 57,274 |

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 31'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1304"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   | 57,022 | 0   | 44,952 | 0   | 32,881 | 0   | 20,928 | 0   | 9,034  | 0   | 26     | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 56,771 | 1/4 | 44,700 | 1/4 | 32,630 | 1/4 | 20,684 | 1/4 | 8,783  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 56,519 | 1/2 | 44,449 | 1/2 | 32,378 | 1/2 | 20,440 | 1/2 | 8,531  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 56,268 | 3/4 | 44,197 | 3/4 | 32,127 | 3/4 | 20,195 | 3/4 | 8,280  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 56,016 | 1   | 43,946 | 1   | 31,875 | 1   | 19,951 | 1   | 8,029  | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 55,765 | 1/4 | 43,694 | 1/4 | 31,624 | 1/4 | 19,707 | 1/4 | 7,777  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 55,513 | 1/2 | 43,443 | 1/2 | 31,372 | 1/2 | 19,463 | 1/2 | 7,526  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 55,262 | 3/4 | 43,191 | 3/4 | 31,121 | 3/4 | 19,219 | 3/4 | 7,275  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 55,010 | 2   | 42,940 | 2   | 30,869 | 2   | 18,975 | 2   | 7,024  | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 54,759 | 1/4 | 42,688 | 1/4 | 30,618 | 1/4 | 18,731 | 1/4 | 6,773  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 54,507 | 1/2 | 42,437 | 1/2 | 30,366 | 1/2 | 18,487 | 1/2 | 6,522  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 54,256 | 3/4 | 42,185 | 3/4 | 30,115 | 3/4 | 18,243 | 3/4 | 6,271  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 54,005 | 3   | 41,934 | 3   | 29,864 | 3   | 17,999 | 3   | 6,021  | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 53,753 | 1/4 | 41,683 | 1/4 | 29,612 | 1/4 | 17,755 | 1/4 | 5,771  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 53,502 | 1/2 | 41,431 | 1/2 | 29,361 | 1/2 | 17,511 | 1/2 | 5,521  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 53,250 | 3/4 | 41,180 | 3/4 | 29,109 | 3/4 | 17,267 | 3/4 | 5,271  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 52,999 | 4   | 40,928 | 4   | 28,858 | 4   | 17,023 | 4   | 5,021  | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 52,747 | 1/4 | 40,677 | 1/4 | 28,606 | 1/4 | 16,779 | 1/4 | 4,772  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 52,496 | 1/2 | 40,425 | 1/2 | 28,355 | 1/2 | 16,534 | 1/2 | 4,524  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 52,244 | 3/4 | 40,174 | 3/4 | 28,103 | 3/4 | 16,290 | 3/4 | 4,275  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 51,993 | 5   | 39,922 | 5   | 27,852 | 5   | 16,046 | 5   | 4,027  | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 51,741 | 1/4 | 39,671 | 1/4 | 27,600 | 1/4 | 15,802 | 1/4 | 3,780  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 51,490 | 1/2 | 39,419 | 1/2 | 27,349 | 1/2 | 15,558 | 1/2 | 3,534  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 51,238 | 3/4 | 39,168 | 3/4 | 27,097 | 3/4 | 15,313 | 3/4 | 3,287  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 50,987 | 6   | 38,916 | 6   | 26,846 | 6   | 15,069 | 6   | 3,041  | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 50,735 | 1/4 | 38,665 | 1/4 | 26,594 | 1/4 | 14,817 | 1/4 | 2,811  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 50,484 | 1/2 | 38,413 | 1/2 | 26,343 | 1/2 | 14,566 | 1/2 | 2,581  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 50,232 | 3/4 | 38,162 | 3/4 | 26,091 | 3/4 | 14,314 | 3/4 | 2,351  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 49,981 | 7   | 37,911 | 7   | 25,840 | 7   | 14,063 | 7   | 2,121  | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 49,730 | 1/4 | 37,659 | 1/4 | 25,589 | 1/4 | 13,812 | 1/4 | 1,933  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 49,478 | 1/2 | 37,408 | 1/2 | 25,337 | 1/2 | 13,560 | 1/2 | 1,744  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 49,227 | 3/4 | 37,156 | 3/4 | 25,086 | 3/4 | 13,309 | 3/4 | 1,556  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 48,975 | 8   | 36,905 | 8   | 24,834 | 8   | 13,057 | 8   | 1,367  | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 48,724 | 1/4 | 36,653 | 1/4 | 24,590 | 1/4 | 12,806 | 1/4 | 1,220  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 48,472 | 1/2 | 36,402 | 1/2 | 24,345 | 1/2 | 12,555 | 1/2 | 1,074  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 48,221 | 3/4 | 36,150 | 3/4 | 24,101 | 3/4 | 12,303 | 3/4 | 927    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 47,969 | 9   | 35,899 | 9   | 23,857 | 9   | 12,052 | 9   | 780    | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 47,718 | 1/4 | 35,647 | 1/4 | 23,612 | 1/4 | 11,800 | 1/4 | 676    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 47,466 | 1/2 | 35,396 | 1/2 | 23,368 | 1/2 | 11,549 | 1/2 | 571    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 47,215 | 3/4 | 35,144 | 3/4 | 23,124 | 3/4 | 11,297 | 3/4 | 466    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 46,963 | 10  | 34,893 | 10  | 22,880 | 10  | 11,046 | 10  | 361    | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 46,712 | 1/4 | 34,641 | 1/4 | 22,636 | 1/4 | 10,794 | 1/4 | 299    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 46,460 | 1/2 | 34,390 | 1/2 | 22,392 | 1/2 | 10,543 | 1/2 | 236    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 46,209 | 3/4 | 34,138 | 3/4 | 22,148 | 3/4 | 10,292 | 3/4 | 173    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 45,958 | 11  | 33,887 | 11  | 21,904 | 11  | 10,040 | 11  | 110    | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 45,706 | 1/4 | 33,636 | 1/4 | 21,660 | 1/4 | 9,789  | 1/4 | 89     | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 45,455 | 1/2 | 33,384 | 1/2 | 21,416 | 1/2 | 9,537  | 1/2 | 68     | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 45,203 | 3/4 | 33,133 | 3/4 | 21,172 | 3/4 | 9,286  | 3/4 | 47     | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2008

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



# BARGE "CBC 1304"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

|     | 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   |         | 0   | 145,988 | 0   | 137,218 | 0   | 126,540 | 0   | 115,802 | 0   | 105,025 | 0   | 94,249 | 0   | 83,473 | 0   | 72,696 | 0   | 61,920 |
| 1/4 |         | 1/4 | 145,935 | 1/4 | 136,996 | 1/4 | 126,317 | 1/4 | 115,577 | 1/4 | 104,801 | 1/4 | 94,025 | 1/4 | 83,248 | 1/4 | 72,472 | 1/4 | 61,695 |
| 1/2 |         | 1/2 | 145,882 | 1/2 | 136,774 | 1/2 | 126,095 | 1/2 | 115,353 | 1/2 | 104,576 | 1/2 | 93,800 | 1/2 | 83,024 | 1/2 | 72,247 | 1/2 | 61,471 |
| 3/4 |         | 3/4 | 145,829 | 3/4 | 136,552 | 3/4 | 125,872 | 3/4 | 115,128 | 3/4 | 104,352 | 3/4 | 93,576 | 3/4 | 82,799 | 3/4 | 72,023 | 3/4 | 61,246 |
| 1   |         | 1   | 145,776 | 1   | 136,330 | 1   | 125,649 | 1   | 114,904 | 1   | 104,127 | 1   | 93,351 | 1   | 82,575 | 1   | 71,798 | 1   | 61,022 |
| 1/4 |         | 1/4 | 145,685 | 1/4 | 136,108 | 1/4 | 125,427 | 1/4 | 114,679 | 1/4 | 103,903 | 1/4 | 93,127 | 1/4 | 82,350 | 1/4 | 71,574 | 1/4 | 60,797 |
| 1/2 |         | 1/2 | 145,595 | 1/2 | 135,886 | 1/2 | 125,204 | 1/2 | 114,455 | 1/2 | 103,678 | 1/2 | 92,902 | 1/2 | 82,126 | 1/2 | 71,349 | 1/2 | 60,573 |
| 3/4 |         | 3/4 | 145,504 | 3/4 | 135,664 | 3/4 | 124,982 | 3/4 | 114,230 | 3/4 | 103,454 | 3/4 | 92,678 | 3/4 | 81,901 | 3/4 | 71,125 | 3/4 | 60,348 |
| 2   |         | 2   | 145,414 | 2   | 135,442 | 2   | 124,759 | 2   | 114,006 | 2   | 103,229 | 2   | 92,453 | 2   | 81,677 | 2   | 70,900 | 2   | 60,124 |
| 1/4 |         | 1/4 | 145,286 | 1/4 | 135,220 | 1/4 | 124,536 | 1/4 | 113,781 | 1/4 | 103,005 | 1/4 | 92,229 | 1/4 | 81,452 | 1/4 | 70,676 | 1/4 | 59,899 |
| 1/2 |         | 1/2 | 145,158 | 1/2 | 134,998 | 1/2 | 124,314 | 1/2 | 113,557 | 1/2 | 102,780 | 1/2 | 92,004 | 1/2 | 81,228 | 1/2 | 70,451 | 1/2 | 59,675 |
| 3/4 |         | 3/4 | 145,030 | 3/4 | 134,776 | 3/4 | 124,091 | 3/4 | 113,332 | 3/4 | 102,556 | 3/4 | 91,780 | 3/4 | 81,003 | 3/4 | 70,227 | 3/4 | 59,450 |
| 3   |         | 3   | 144,902 | 3   | 134,554 | 3   | 123,868 | 3   | 113,108 | 3   | 102,331 | 3   | 91,555 | 3   | 80,779 | 3   | 70,002 | 3   | 59,226 |
| 1/4 |         | 1/4 | 144,737 | 1/4 | 134,331 | 1/4 | 123,646 | 1/4 | 112,883 | 1/4 | 102,107 | 1/4 | 91,331 | 1/4 | 80,554 | 1/4 | 69,778 | 1/4 | 59,001 |
| 1/2 |         | 1/2 | 144,572 | 1/2 | 134,109 | 1/2 | 123,423 | 1/2 | 112,659 | 1/2 | 101,882 | 1/2 | 91,106 | 1/2 | 80,330 | 1/2 | 69,553 | 1/2 | 58,777 |
| 3/4 |         | 3/4 | 144,406 | 3/4 | 133,886 | 3/4 | 123,201 | 3/4 | 112,434 | 3/4 | 101,658 | 3/4 | 90,882 | 3/4 | 80,105 | 3/4 | 69,329 | 3/4 | 58,552 |
| 4   |         | 4   | 144,241 | 4   | 133,663 | 4   | 122,978 | 4   | 112,210 | 4   | 101,433 | 4   | 90,657 | 4   | 79,881 | 4   | 69,104 | 4   | 58,328 |
| 1/4 |         | 1/4 | 144,038 | 1/4 | 133,441 | 1/4 | 122,755 | 1/4 | 111,985 | 1/4 | 101,209 | 1/4 | 90,433 | 1/4 | 79,656 | 1/4 | 68,880 | 1/4 | 58,103 |
| 1/2 |         | 1/2 | 143,835 | 1/2 | 133,218 | 1/2 | 122,533 | 1/2 | 111,761 | 1/2 | 100,984 | 1/2 | 90,208 | 1/2 | 79,432 | 1/2 | 68,655 | 1/2 | 57,879 |
| 3/4 |         | 3/4 | 143,633 | 3/4 | 132,995 | 3/4 | 122,310 | 3/4 | 111,536 | 3/4 | 100,760 | 3/4 | 89,984 | 3/4 | 79,207 | 3/4 | 68,431 | 3/4 | 57,654 |
| 5   |         | 5   | 143,430 | 5   | 132,773 | 5   | 122,088 | 5   | 111,311 | 5   | 100,535 | 5   | 89,759 | 5   | 78,983 | 5   | 68,206 | 5   | 57,430 |
| 1/4 |         | 1/4 | 143,209 | 1/4 | 132,550 | 1/4 | 121,863 | 1/4 | 111,087 | 1/4 | 100,311 | 1/4 | 89,534 | 1/4 | 78,758 | 1/4 | 67,982 | 1/4 | 57,205 |
| 1/2 |         | 1/2 | 142,987 | 1/2 | 132,328 | 1/2 | 121,639 | 1/2 | 110,862 | 1/2 | 100,086 | 1/2 | 89,310 | 1/2 | 78,534 | 1/2 | 67,757 | 1/2 | 56,981 |
| 3/4 |         | 3/4 | 142,766 | 3/4 | 132,105 | 3/4 | 121,414 | 3/4 | 110,638 | 3/4 | 99,862  | 3/4 | 89,085 | 3/4 | 78,309 | 3/4 | 67,533 | 3/4 | 56,756 |
| 6   |         | 6   | 142,544 | 6   | 131,882 | 6   | 121,190 | 6   | 110,413 | 6   | 99,637  | 6   | 88,861 | 6   | 78,085 | 6   | 67,308 | 6   | 56,532 |
| 1/4 |         | 1/4 | 142,323 | 1/4 | 131,660 | 1/4 | 120,965 | 1/4 | 110,189 | 1/4 | 99,413  | 1/4 | 88,636 | 1/4 | 77,860 | 1/4 | 67,084 | 1/4 | 56,307 |
| 1/2 |         | 1/2 | 142,101 | 1/2 | 131,437 | 1/2 | 120,741 | 1/2 | 109,964 | 1/2 | 99,188  | 1/2 | 88,412 | 1/2 | 77,636 | 1/2 | 66,859 | 1/2 | 56,083 |
| 3/4 |         | 3/4 | 141,880 | 3/4 | 131,215 | 3/4 | 120,516 | 3/4 | 109,740 | 3/4 | 98,964  | 3/4 | 88,187 | 3/4 | 77,411 | 3/4 | 66,635 | 3/4 | 55,858 |
| 7   |         | 7   | 141,658 | 7   | 130,992 | 7   | 120,292 | 7   | 109,515 | 7   | 98,739  | 7   | 87,963 | 7   | 77,187 | 7   | 66,410 | 7   | 55,634 |
| 1/4 |         | 1/4 | 141,437 | 1/4 | 130,769 | 1/4 | 120,067 | 1/4 | 109,291 | 1/4 | 98,515  | 1/4 | 87,738 | 1/4 | 76,962 | 1/4 | 66,186 | 1/4 | 55,409 |
| 1/2 |         | 1/2 | 141,216 | 1/2 | 130,547 | 1/2 | 119,843 | 1/2 | 109,066 | 1/2 | 98,290  | 1/2 | 87,514 | 1/2 | 76,738 | 1/2 | 65,961 | 1/2 | 55,185 |
| 3/4 |         | 3/4 | 140,994 | 3/4 | 130,324 | 3/4 | 119,618 | 3/4 | 108,842 | 3/4 | 98,066  | 3/4 | 87,289 | 3/4 | 76,513 | 3/4 | 65,737 | 3/4 | 54,960 |
| 8   |         | 8   | 140,773 | 8   | 130,102 | 8   | 119,394 | 8   | 108,617 | 8   | 97,841  | 8   | 87,065 | 8   | 76,288 | 8   | 65,512 | 8   | 54,736 |
| 1/4 |         | 1/4 | 140,551 | 1/4 | 129,879 | 1/4 | 119,169 | 1/4 | 108,393 | 1/4 | 97,617  | 1/4 | 86,840 | 1/4 | 76,064 | 1/4 | 65,288 | 1/4 | 54,511 |
| 1/2 |         | 1/2 | 140,330 | 1/2 | 129,656 | 1/2 | 118,945 | 1/2 | 108,168 | 1/2 | 97,392  | 1/2 | 86,616 | 1/2 | 75,839 | 1/2 | 65,063 | 1/2 | 54,287 |
| 3/4 |         | 3/4 | 140,108 | 3/4 | 129,434 | 3/4 | 118,720 | 3/4 | 107,944 | 3/4 | 97,168  | 3/4 | 86,391 | 3/4 | 75,615 | 3/4 | 64,839 | 3/4 | 54,062 |
| 9   |         | 9   | 139,887 | 9   | 129,211 | 9   | 118,496 | 9   | 107,719 | 9   | 96,943  | 9   | 86,167 | 9   | 75,390 | 9   | 64,614 | 9   | 53,838 |
| 1/4 |         | 1/4 | 139,664 | 1/4 | 128,988 | 1/4 | 118,271 | 1/4 | 107,495 | 1/4 | 96,719  | 1/4 | 85,942 | 1/4 | 75,166 | 1/4 | 64,390 | 1/4 | 53,613 |
| 1/2 |         | 1/2 | 139,442 | 1/2 | 128,766 | 1/2 | 118,047 | 1/2 | 107,270 | 1/2 | 96,494  | 1/2 | 85,718 | 1/2 | 74,941 | 1/2 | 64,165 | 1/2 | 53,389 |
| 3/4 |         | 3/4 | 139,219 | 3/4 | 128,543 | 3/4 | 117,822 | 3/4 | 107,046 | 3/4 | 96,270  | 3/4 | 85,493 | 3/4 | 74,717 | 3/4 | 63,941 | 3/4 | 53,164 |
| 10  |         | 10  | 138,997 | 10  | 128,321 | 10  | 117,598 | 10  | 106,821 | 10  | 96,045  | 10  | 85,269 | 10  | 74,492 | 10  | 63,716 | 10  | 52,940 |
| 1/4 |         | 1/4 | 138,774 | 1/4 | 128,098 | 1/4 | 117,373 | 1/4 | 106,597 | 1/4 | 95,821  | 1/4 | 85,044 | 1/4 | 74,268 | 1/4 | 63,492 | 1/4 | 52,715 |
| 1/2 |         | 1/2 | 138,551 | 1/2 | 127,875 | 1/2 | 117,149 | 1/2 | 106,372 | 1/2 | 95,596  | 1/2 | 84,820 | 1/2 | 74,043 | 1/2 | 63,267 | 1/2 | 52,491 |
| 3/4 |         | 3/4 | 138,329 | 3/4 | 127,653 | 3/4 | 116,924 | 3/4 | 106,148 | 3/4 | 95,372  | 3/4 | 84,595 | 3/4 | 73,819 | 3/4 | 63,042 | 3/4 | 52,266 |
| 11  | 146,050 | 11  | 138,106 | 11  | 127,430 | 11  | 116,700 | 11  | 105,923 | 11  | 95,147  | 11  | 84,371 | 11  | 73,594 | 11  | 62,818 | 11  | 52,042 |
| 1/4 | 146,035 | 1/4 | 137,884 | 1/4 | 127,208 | 1/4 | 116,475 | 1/4 | 105,699 | 1/4 | 94,923  | 1/4 | 84,146 | 1/4 | 73,370 | 1/4 | 62,593 | 1/4 | 51,817 |
| 1/2 | 146,019 | 1/2 | 137,662 | 1/2 | 126,985 | 1/2 | 116,251 | 1/2 | 105,474 | 1/2 | 94,698  | 1/2 | 83,922 | 1/2 | 73,145 | 1/2 | 62,369 | 1/2 | 51,593 |
| 3/4 | 146,003 | 3/4 | 137,440 | 3/4 | 126,762 | 3/4 | 116,026 | 3/4 | 105,250 | 3/4 | 94,474  | 3/4 | 83,697 | 3/4 | 72,921 | 3/4 | 62,144 | 3/4 | 51,368 |

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Peerland, Texas 77588

<http://www.pmacorp.net>

*John J. Pearson*



# BARGE "CBC 1304"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

| 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   | 51,144 | 0   | 40,367 | 0   | 29,591 | 0   | 18,826 | 0   | 8,068  | 0   | 26     | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 50,919 | 1/4 | 40,143 | 1/4 | 29,366 | 1/4 | 18,602 | 1/4 | 7,844  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 50,695 | 1/2 | 39,918 | 1/2 | 29,142 | 1/2 | 18,379 | 1/2 | 7,619  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 50,470 | 3/4 | 39,694 | 3/4 | 28,917 | 3/4 | 18,155 | 3/4 | 7,395  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 50,246 | 1   | 39,469 | 1   | 28,693 | 1   | 17,931 | 1   | 7,170  | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 50,021 | 1/4 | 39,245 | 1/4 | 28,468 | 1/4 | 17,707 | 1/4 | 6,946  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 49,796 | 1/2 | 39,020 | 1/2 | 28,244 | 1/2 | 17,484 | 1/2 | 6,722  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 49,572 | 3/4 | 38,796 | 3/4 | 28,019 | 3/4 | 17,260 | 3/4 | 6,498  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 49,347 | 2   | 38,571 | 2   | 27,795 | 2   | 17,036 | 2   | 6,273  | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 49,123 | 1/4 | 38,347 | 1/4 | 27,570 | 1/4 | 16,813 | 1/4 | 6,049  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 48,898 | 1/2 | 38,122 | 1/2 | 27,346 | 1/2 | 16,589 | 1/2 | 5,826  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 48,674 | 3/4 | 37,898 | 3/4 | 27,121 | 3/4 | 16,365 | 3/4 | 5,602  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 48,449 | 3   | 37,673 | 3   | 26,897 | 3   | 16,142 | 3   | 5,378  | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 48,225 | 1/4 | 37,449 | 1/4 | 26,672 | 1/4 | 15,918 | 1/4 | 5,155  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 48,000 | 1/2 | 37,224 | 1/2 | 26,448 | 1/2 | 15,694 | 1/2 | 4,932  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 47,776 | 3/4 | 37,000 | 3/4 | 26,223 | 3/4 | 15,470 | 3/4 | 4,709  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 47,551 | 4   | 36,775 | 4   | 25,999 | 4   | 15,247 | 4   | 4,485  | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 47,327 | 1/4 | 36,550 | 1/4 | 25,774 | 1/4 | 15,023 | 1/4 | 4,263  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 47,102 | 1/2 | 36,326 | 1/2 | 25,550 | 1/2 | 14,799 | 1/2 | 4,041  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 46,878 | 3/4 | 36,101 | 3/4 | 25,325 | 3/4 | 14,576 | 3/4 | 3,820  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 46,653 | 5   | 35,877 | 5   | 25,101 | 5   | 14,352 | 5   | 3,598  | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 46,429 | 1/4 | 35,652 | 1/4 | 24,876 | 1/4 | 14,128 | 1/4 | 3,378  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 46,204 | 1/2 | 35,428 | 1/2 | 24,652 | 1/2 | 13,904 | 1/2 | 3,158  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 45,980 | 3/4 | 35,203 | 3/4 | 24,427 | 3/4 | 13,680 | 3/4 | 2,937  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 45,755 | 6   | 34,979 | 6   | 24,203 | 6   | 13,456 | 6   | 2,717  | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 45,531 | 1/4 | 34,754 | 1/4 | 23,978 | 1/4 | 13,231 | 1/4 | 2,512  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 45,306 | 1/2 | 34,530 | 1/2 | 23,754 | 1/2 | 13,007 | 1/2 | 2,307  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 45,082 | 3/4 | 34,305 | 3/4 | 23,529 | 3/4 | 12,782 | 3/4 | 2,102  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 44,857 | 7   | 34,081 | 7   | 23,304 | 7   | 12,558 | 7   | 1,897  | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 44,633 | 1/4 | 33,856 | 1/4 | 23,080 | 1/4 | 12,333 | 1/4 | 1,728  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 44,408 | 1/2 | 33,632 | 1/2 | 22,855 | 1/2 | 12,109 | 1/2 | 1,560  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 44,184 | 3/4 | 33,407 | 3/4 | 22,631 | 3/4 | 11,885 | 3/4 | 1,392  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 43,959 | 8   | 33,183 | 8   | 22,406 | 8   | 11,660 | 8   | 1,223  | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 43,735 | 1/4 | 32,958 | 1/4 | 22,182 | 1/4 | 11,436 | 1/4 | 1,092  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 43,510 | 1/2 | 32,734 | 1/2 | 21,958 | 1/2 | 11,211 | 1/2 | 961    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 43,286 | 3/4 | 32,509 | 3/4 | 21,734 | 3/4 | 10,987 | 3/4 | 830    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 43,061 | 9   | 32,285 | 9   | 21,510 | 9   | 10,762 | 9   | 700    | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 42,837 | 1/4 | 32,060 | 1/4 | 21,287 | 1/4 | 10,538 | 1/4 | 606    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 42,612 | 1/2 | 31,836 | 1/2 | 21,063 | 1/2 | 10,313 | 1/2 | 512    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 42,388 | 3/4 | 31,611 | 3/4 | 20,839 | 3/4 | 10,089 | 3/4 | 419    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 42,163 | 10  | 31,387 | 10  | 20,616 | 10  | 9,864  | 10  | 325    | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 41,939 | 1/4 | 31,162 | 1/4 | 20,392 | 1/4 | 9,640  | 1/4 | 269    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 41,714 | 1/2 | 30,938 | 1/2 | 20,168 | 1/2 | 9,415  | 1/2 | 213    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 41,490 | 3/4 | 30,713 | 3/4 | 19,944 | 3/4 | 9,191  | 3/4 | 157    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 41,265 | 11  | 30,489 | 11  | 19,721 | 11  | 8,966  | 11  | 101    | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 41,041 | 1/4 | 30,264 | 1/4 | 19,497 | 1/4 | 8,742  | 1/4 | 82     | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 40,816 | 1/2 | 30,040 | 1/2 | 19,273 | 1/2 | 8,517  | 1/2 | 64     | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 40,592 | 3/4 | 29,815 | 3/4 | 19,050 | 3/4 | 8,293  | 3/4 | 45     | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2008

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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