



# BARGE "IB 1961"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 182'-09"

July 16, 2015

PRECISION MEASUREMENT  
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# BARGE "IB 1961"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| 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     | 89     | 0     | 10,927 | 0     | 22,953 | 0     | 34,808 | 0     | 46,732 | 0     | 58,700 | 0     | 70,751 | 0     | 82,776 | 0     | 94,801  | 0     | 106,825 |
| 1/4   | 162    | 1/4   | 11,178 | 1/4   | 23,203 | 1/4   | 35,051 | 1/4   | 46,982 | 1/4   | 58,900 | 1/4   | 71,002 | 1/4   | 83,027 | 1/4   | 95,052  | 1/4   | 107,076 |
| 1/2   | 236    | 1/2   | 11,428 | 1/2   | 23,454 | 1/2   | 35,295 | 1/2   | 47,232 | 1/2   | 59,249 | 1/2   | 71,252 | 1/2   | 83,277 | 1/2   | 95,302  | 1/2   | 107,327 |
| 3/4   | 309    | 3/4   | 11,679 | 3/4   | 23,704 | 3/4   | 35,539 | 3/4   | 47,483 | 3/4   | 59,499 | 3/4   | 71,503 | 3/4   | 83,528 | 3/4   | 95,553  | 3/4   | 107,577 |
| 1     | 382    | 1     | 11,929 | 1     | 23,955 | 1     | 35,783 | 1     | 47,733 | 1     | 59,749 | 1     | 71,754 | 1     | 83,779 | 1     | 95,803  | 1     | 107,828 |
| 1 1/4 | 539    | 1 1/4 | 12,180 | 1 1/4 | 24,205 | 1 1/4 | 36,027 | 1 1/4 | 47,984 | 1 1/4 | 59,999 | 1 1/4 | 72,004 | 1 1/4 | 84,029 | 1 1/4 | 96,053  | 1 1/4 | 108,078 |
| 1 1/2 | 696    | 1 1/2 | 12,431 | 1 1/2 | 24,456 | 1 1/2 | 36,271 | 1 1/2 | 48,234 | 1 1/2 | 60,249 | 1 1/2 | 72,255 | 1 1/2 | 84,280 | 1 1/2 | 96,304  | 1 1/2 | 108,329 |
| 3/4   | 853    | 3/4   | 12,681 | 3/4   | 24,707 | 3/4   | 36,514 | 3/4   | 48,484 | 3/4   | 60,499 | 3/4   | 72,505 | 3/4   | 84,530 | 3/4   | 96,554  | 3/4   | 108,579 |
| 2     | 1,010  | 2     | 12,932 | 2     | 24,957 | 2     | 36,758 | 2     | 48,735 | 2     | 60,749 | 2     | 72,756 | 2     | 84,781 | 2     | 96,805  | 2     | 108,830 |
| 1 1/4 | 1,234  | 1 1/4 | 13,182 | 1 1/4 | 25,208 | 1 1/4 | 37,002 | 1 1/4 | 48,985 | 1 1/4 | 60,999 | 1 1/4 | 73,006 | 1 1/4 | 85,031 | 1 1/4 | 97,055  | 1 1/4 | 109,080 |
| 1 1/2 | 1,458  | 1 1/2 | 13,433 | 1 1/2 | 25,458 | 1 1/2 | 37,246 | 1 1/2 | 49,235 | 1 1/2 | 61,249 | 1 1/2 | 73,257 | 1 1/2 | 85,282 | 1 1/2 | 97,308  | 1 1/2 | 109,331 |
| 3/4   | 1,682  | 3/4   | 13,683 | 3/4   | 25,709 | 3/4   | 37,490 | 3/4   | 49,486 | 3/4   | 61,499 | 3/4   | 73,507 | 3/4   | 85,532 | 3/4   | 97,556  | 3/4   | 109,581 |
| 3     | 1,906  | 3     | 13,934 | 3     | 25,959 | 3     | 37,734 | 3     | 49,736 | 3     | 61,749 | 3     | 73,758 | 3     | 85,783 | 3     | 97,807  | 3     | 109,832 |
| 1 1/4 | 2,155  | 1 1/4 | 14,184 | 1 1/4 | 26,210 | 1 1/4 | 37,980 | 1 1/4 | 49,987 | 1 1/4 | 61,999 | 1 1/4 | 74,008 | 1 1/4 | 86,033 | 1 1/4 | 98,057  | 1 1/4 | 110,082 |
| 1 1/2 | 2,404  | 1 1/2 | 14,435 | 1 1/2 | 26,460 | 1 1/2 | 38,226 | 1 1/2 | 50,237 | 1 1/2 | 62,249 | 1 1/2 | 74,259 | 1 1/2 | 86,284 | 1 1/2 | 98,308  | 1 1/2 | 110,333 |
| 3/4   | 2,654  | 3/4   | 14,685 | 3/4   | 26,711 | 3/4   | 38,473 | 3/4   | 50,487 | 3/4   | 62,498 | 3/4   | 74,509 | 3/4   | 86,534 | 3/4   | 98,558  | 3/4   | 110,583 |
| 4     | 2,903  | 4     | 14,936 | 4     | 26,961 | 4     | 38,719 | 4     | 50,738 | 4     | 62,748 | 4     | 74,760 | 4     | 86,785 | 4     | 98,809  | 4     | 110,834 |
| 1 1/4 | 3,154  | 1 1/4 | 15,186 | 1 1/4 | 27,212 | 1 1/4 | 38,969 | 1 1/4 | 50,988 | 1 1/4 | 62,998 | 1 1/4 | 75,010 | 1 1/4 | 87,035 | 1 1/4 | 99,059  | 1 1/4 | 111,084 |
| 1 1/2 | 3,405  | 1 1/2 | 15,437 | 1 1/2 | 27,462 | 1 1/2 | 39,220 | 1 1/2 | 51,239 | 1 1/2 | 63,248 | 1 1/2 | 75,261 | 1 1/2 | 87,286 | 1 1/2 | 99,310  | 1 1/2 | 111,335 |
| 3/4   | 3,655  | 3/4   | 15,687 | 3/4   | 27,713 | 3/4   | 39,470 | 3/4   | 51,489 | 3/4   | 63,498 | 3/4   | 75,511 | 3/4   | 87,536 | 3/4   | 99,560  | 3/4   | 111,585 |
| 5     | 3,906  | 5     | 15,938 | 5     | 27,963 | 5     | 39,721 | 5     | 51,739 | 5     | 63,748 | 5     | 75,762 | 5     | 87,787 | 5     | 99,811  | 5     | 111,836 |
| 1 1/4 | 4,157  | 1 1/4 | 16,189 | 1 1/4 | 28,211 | 1 1/4 | 39,971 | 1 1/4 | 51,990 | 1 1/4 | 63,998 | 1 1/4 | 76,012 | 1 1/4 | 88,037 | 1 1/4 | 100,061 | 1 1/4 | 112,086 |
| 1 1/2 | 4,408  | 1 1/2 | 16,439 | 1 1/2 | 28,459 | 1 1/2 | 40,221 | 1 1/2 | 52,240 | 1 1/2 | 64,248 | 1 1/2 | 76,263 | 1 1/2 | 88,288 | 1 1/2 | 100,312 | 1 1/2 | 112,337 |
| 3/4   | 4,659  | 3/4   | 16,690 | 3/4   | 28,707 | 3/4   | 40,472 | 3/4   | 52,491 | 3/4   | 64,498 | 3/4   | 76,513 | 3/4   | 88,538 | 3/4   | 100,562 | 3/4   | 112,587 |
| 6     | 4,910  | 6     | 16,940 | 6     | 28,956 | 6     | 40,722 | 6     | 52,741 | 6     | 64,748 | 6     | 76,764 | 6     | 88,789 | 6     | 100,813 | 6     | 112,838 |
| 1 1/4 | 5,161  | 1 1/4 | 17,191 | 1 1/4 | 29,199 | 1 1/4 | 40,973 | 1 1/4 | 52,991 | 1 1/4 | 64,998 | 1 1/4 | 77,014 | 1 1/4 | 89,039 | 1 1/4 | 101,064 | 1 1/4 | 113,088 |
| 1 1/2 | 5,412  | 1 1/2 | 17,441 | 1 1/2 | 29,443 | 1 1/2 | 41,223 | 1 1/2 | 53,242 | 1 1/2 | 65,248 | 1 1/2 | 77,265 | 1 1/2 | 89,290 | 1 1/2 | 101,314 | 1 1/2 | 113,339 |
| 3/4   | 5,662  | 3/4   | 17,692 | 3/4   | 29,687 | 3/4   | 41,473 | 3/4   | 53,492 | 3/4   | 65,497 | 3/4   | 77,515 | 3/4   | 89,540 | 3/4   | 101,565 | 3/4   | 113,590 |
| 7     | 5,913  | 7     | 17,942 | 7     | 29,931 | 7     | 41,724 | 7     | 53,743 | 7     | 65,747 | 7     | 77,766 | 7     | 89,791 | 7     | 101,815 | 7     | 113,840 |
| 1 1/4 | 6,164  | 1 1/4 | 18,193 | 1 1/4 | 30,175 | 1 1/4 | 41,974 | 1 1/4 | 53,993 | 1 1/4 | 65,997 | 1 1/4 | 78,017 | 1 1/4 | 90,042 | 1 1/4 | 102,066 | 1 1/4 | 114,091 |
| 1 1/2 | 6,415  | 1 1/2 | 18,443 | 1 1/2 | 30,419 | 1 1/2 | 42,225 | 1 1/2 | 54,243 | 1 1/2 | 66,247 | 1 1/2 | 78,267 | 1 1/2 | 90,292 | 1 1/2 | 102,316 | 1 1/2 | 114,341 |
| 3/4   | 6,666  | 3/4   | 18,694 | 3/4   | 30,662 | 3/4   | 42,475 | 3/4   | 54,494 | 3/4   | 66,497 | 3/4   | 78,518 | 3/4   | 90,543 | 3/4   | 102,567 | 3/4   | 114,592 |
| 8     | 6,916  | 8     | 18,944 | 8     | 30,906 | 8     | 42,725 | 8     | 54,744 | 8     | 66,747 | 8     | 78,768 | 8     | 90,793 | 8     | 102,817 | 8     | 114,842 |
| 1 1/4 | 7,167  | 1 1/4 | 19,195 | 1 1/4 | 31,150 | 1 1/4 | 42,976 | 1 1/4 | 54,994 | 1 1/4 | 66,997 | 1 1/4 | 79,019 | 1 1/4 | 91,044 | 1 1/4 | 103,068 | 1 1/4 | 115,093 |
| 1 1/2 | 7,418  | 1 1/2 | 19,445 | 1 1/2 | 31,394 | 1 1/2 | 43,226 | 1 1/2 | 55,245 | 1 1/2 | 67,247 | 1 1/2 | 79,269 | 1 1/2 | 91,294 | 1 1/2 | 103,318 | 1 1/2 | 115,343 |
| 3/4   | 7,668  | 3/4   | 19,696 | 3/4   | 31,638 | 3/4   | 43,477 | 3/4   | 55,495 | 3/4   | 67,497 | 3/4   | 79,520 | 3/4   | 91,545 | 3/4   | 103,569 | 3/4   | 115,594 |
| 9     | 7,919  | 9     | 19,946 | 9     | 31,882 | 9     | 43,727 | 9     | 55,746 | 9     | 67,747 | 9     | 79,770 | 9     | 91,795 | 9     | 103,819 | 9     | 115,844 |
| 1 1/4 | 8,170  | 1 1/4 | 20,197 | 1 1/4 | 32,125 | 1 1/4 | 43,977 | 1 1/4 | 55,996 | 1 1/4 | 67,997 | 1 1/4 | 80,021 | 1 1/4 | 92,046 | 1 1/4 | 104,070 | 1 1/4 | 116,095 |
| 1 1/2 | 8,421  | 1 1/2 | 20,448 | 1 1/2 | 32,369 | 1 1/2 | 44,228 | 1 1/2 | 56,246 | 1 1/2 | 68,247 | 1 1/2 | 80,271 | 1 1/2 | 92,296 | 1 1/2 | 104,320 | 1 1/2 | 116,345 |
| 3/4   | 8,672  | 3/4   | 20,699 | 3/4   | 32,613 | 3/4   | 44,478 | 3/4   | 56,497 | 3/4   | 68,497 | 3/4   | 80,522 | 3/4   | 92,547 | 3/4   | 104,571 | 3/4   | 116,596 |
| 10    | 8,922  | 10    | 20,949 | 10    | 32,857 | 10    | 44,728 | 10    | 56,747 | 10    | 68,747 | 10    | 80,772 | 10    | 92,797 | 10    | 104,821 | 10    | 116,846 |
| 1 1/4 | 9,173  | 1 1/4 | 21,199 | 1 1/4 | 33,101 | 1 1/4 | 44,979 | 1 1/4 | 56,998 | 1 1/4 | 68,998 | 1 1/4 | 81,023 | 1 1/4 | 93,048 | 1 1/4 | 105,072 | 1 1/4 | 117,097 |
| 1 1/2 | 9,424  | 1 1/2 | 21,450 | 1 1/2 | 33,345 | 1 1/2 | 45,229 | 1 1/2 | 57,248 | 1 1/2 | 69,248 | 1 1/2 | 81,273 | 1 1/2 | 93,298 | 1 1/2 | 105,322 | 1 1/2 | 117,348 |
| 3/4   | 9,674  | 3/4   | 21,700 | 3/4   | 33,588 | 3/4   | 45,480 | 3/4   | 57,498 | 3/4   | 69,499 | 3/4   | 81,524 | 3/4   | 93,549 | 3/4   | 105,573 | 3/4   | 117,599 |
| 11    | 9,925  | 11    | 21,951 | 11    | 33,832 | 11    | 45,730 | 11    | 57,749 | 11    | 69,749 | 11    | 81,774 | 11    | 93,799 | 11    | 105,823 | 11    | 117,849 |
| 1 1/4 | 10,176 | 1 1/4 | 22,201 | 1 1/4 | 34,076 | 1 1/4 | 45,980 | 1 1/4 | 57,999 | 1 1/4 | 70,000 | 1 1/4 | 82,025 | 1 1/4 | 94,050 | 1 1/4 | 106,074 | 1 1/4 | 118,100 |
| 1 1/2 | 10,426 | 1 1/2 | 22,452 | 1 1/2 | 34,320 | 1 1/2 | 46,231 | 1 1/2 | 58,249 | 1 1/2 | 70,250 | 1 1/2 | 82,275 | 1 1/2 | 94,300 | 1 1/2 | 106,324 | 1 1/2 | 118,351 |
| 3/4   | 10,677 | 3/4   | 22,702 | 3/4   | 34,564 | 3/4   | 46,481 | 3/4   | 58,499 | 3/4   | 70,501 | 3/4   | 82,526 | 3/4   | 94,551 | 3/4   | 106,575 | 3/4   | 118,602 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

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# BARGE "IB 1961"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| 10 FT. |         | 11 FT. |         | 12 FT. |         | 13 FT. |         | 14 FT. |         | 15 FT. |    | 16 FT. |    | 17 FT. |    | 18 FT. |    | 19 FT. |    |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|----|--------|----|--------|----|--------|----|--------|----|
| N      | IN      | N      | IN      | N      | IN      | N      | IN      | N      | IN      | N      | IN | N      | IN | N      | IN | N      | IN | N      | IN |
| 0      | 118,853 | 0      | 129,348 | 0      | 137,134 | 0      | 144,921 | 0      | 152,673 | 0      |    | 0      |    | 0      |    | 0      |    | 0      |    |
| 1/4    | 119,104 | 1/4    | 129,510 | 1/4    | 137,297 | 1/4    | 145,083 | 1/4    | 152,789 | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 119,355 | 1/2    | 129,672 | 1/2    | 137,459 | 1/2    | 145,245 | 1/2    | 152,905 | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 119,606 | 3/4    | 129,835 | 3/4    | 137,621 | 3/4    | 145,407 | 3/4    | 153,021 | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 1      | 119,857 | 1      | 129,997 | 1      | 137,783 | 1      | 145,569 | 1      | 153,137 | 1      |    | 1      |    | 1      |    | 1      |    | 1      |    |
| 1/4    | 120,108 | 1/4    | 130,159 | 1/4    | 137,945 | 1/4    | 145,732 | 1/4    | 153,207 | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 120,359 | 1/2    | 130,321 | 1/2    | 138,108 | 1/2    | 145,894 | 1/2    | 153,277 | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 120,610 | 3/4    | 130,484 | 3/4    | 138,270 | 3/4    | 146,056 | 3/4    | 153,347 | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 2      | 120,861 | 2      | 130,646 | 2      | 138,432 | 2      | 146,218 | 2      | 153,417 | 2      |    | 2      |    | 2      |    | 2      |    | 2      |    |
| 1/4    | 121,112 | 1/4    | 130,808 | 1/4    | 138,594 | 1/4    | 146,380 | 1/4    | 153,469 | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 121,363 | 1/2    | 130,970 | 1/2    | 138,756 | 1/2    | 146,543 | 1/2    | 153,520 | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 121,614 | 3/4    | 131,132 | 3/4    | 138,919 | 3/4    | 146,705 | 3/4    | 153,572 | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 3      | 121,865 | 3      | 131,295 | 3      | 139,081 | 3      | 146,867 | 3      | 153,624 | 3      |    | 3      |    | 3      |    | 3      |    | 3      |    |
| 1/4    | 122,116 | 1/4    | 131,457 | 1/4    | 139,243 | 1/4    | 147,029 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 122,367 | 1/2    | 131,619 | 1/2    | 139,405 | 1/2    | 147,192 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 122,618 | 3/4    | 131,781 | 3/4    | 139,568 | 3/4    | 147,354 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 4      | 122,870 | 4      | 131,943 | 4      | 139,730 | 4      | 147,516 | 4      |         | 4      |    | 4      |    | 4      |    | 4      |    | 4      |    |
| 1/4    | 123,121 | 1/4    | 132,106 | 1/4    | 139,892 | 1/4    | 147,678 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 123,372 | 1/2    | 132,268 | 1/2    | 140,054 | 1/2    | 147,840 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 123,623 | 3/4    | 132,430 | 3/4    | 140,216 | 3/4    | 148,003 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 5      | 123,874 | 5      | 132,592 | 5      | 140,379 | 5      | 148,165 | 5      |         | 5      |    | 5      |    | 5      |    | 5      |    | 5      |    |
| 1/4    | 124,125 | 1/4    | 132,755 | 1/4    | 140,541 | 1/4    | 148,327 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 124,376 | 1/2    | 132,917 | 1/2    | 140,703 | 1/2    | 148,489 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 124,627 | 3/4    | 133,079 | 3/4    | 140,865 | 3/4    | 148,651 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 6      | 124,878 | 6      | 133,241 | 6      | 141,027 | 6      | 148,814 | 6      |         | 6      |    | 6      |    | 6      |    | 6      |    | 6      |    |
| 1/4    | 125,129 | 1/4    | 133,403 | 1/4    | 141,190 | 1/4    | 148,976 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 125,380 | 1/2    | 133,566 | 1/2    | 141,352 | 1/2    | 149,138 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 125,631 | 3/4    | 133,728 | 3/4    | 141,514 | 3/4    | 149,300 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 7      | 125,882 | 7      | 133,890 | 7      | 141,676 | 7      | 149,463 | 7      |         | 7      |    | 7      |    | 7      |    | 7      |    | 7      |    |
| 1/4    | 126,099 | 1/4    | 134,052 | 1/4    | 141,838 | 1/4    | 149,625 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 126,317 | 1/2    | 134,214 | 1/2    | 142,001 | 1/2    | 149,787 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 126,535 | 3/4    | 134,377 | 3/4    | 142,163 | 3/4    | 149,949 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 8      | 126,753 | 8      | 134,539 | 8      | 142,325 | 8      | 150,111 | 8      |         | 8      |    | 8      |    | 8      |    | 8      |    | 8      |    |
| 1/4    | 126,915 | 1/4    | 134,701 | 1/4    | 142,487 | 1/4    | 150,274 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 127,077 | 1/2    | 134,863 | 1/2    | 142,650 | 1/2    | 150,436 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 127,239 | 3/4    | 135,026 | 3/4    | 142,812 | 3/4    | 150,598 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 9      | 127,401 | 9      | 135,188 | 9      | 142,974 | 9      | 150,760 | 9      |         | 9      |    | 9      |    | 9      |    | 9      |    | 9      |    |
| 1/4    | 127,564 | 1/4    | 135,350 | 1/4    | 143,136 | 1/4    | 150,922 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 127,726 | 1/2    | 135,512 | 1/2    | 143,298 | 1/2    | 151,084 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 127,888 | 3/4    | 135,674 | 3/4    | 143,461 | 3/4    | 151,246 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 10     | 128,050 | 10     | 135,837 | 10     | 143,623 | 10     | 151,409 | 10     |         | 10     |    | 10     |    | 10     |    | 10     |    | 10     |    |
| 1/4    | 128,213 | 1/4    | 135,999 | 1/4    | 143,785 | 1/4    | 151,570 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 128,375 | 1/2    | 136,161 | 1/2    | 143,947 | 1/2    | 151,731 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 128,537 | 3/4    | 136,323 | 3/4    | 144,109 | 3/4    | 151,893 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |
| 11     | 128,699 | 11     | 136,485 | 11     | 144,272 | 11     | 152,054 | 11     |         | 11     |    | 11     |    | 11     |    | 11     |    | 11     |    |
| 1/4    | 128,861 | 1/4    | 136,648 | 1/4    | 144,434 | 1/4    | 152,209 | 1/4    |         | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    | 1/4    |    |
| 1/2    | 129,024 | 1/2    | 136,810 | 1/2    | 144,596 | 1/2    | 152,364 | 1/2    |         | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    | 1/2    |    |
| 3/4    | 129,186 | 3/4    | 136,972 | 3/4    | 144,758 | 3/4    | 152,519 | 3/4    |         | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    | 3/4    |    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2015 CL  
CALCULATED: 07/16/2015 CL  
PRINTED: 07/16/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "IB 1961"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0   | 86     | 0   | 10,463 | 0   | 21,993 | 0   | 33,342 | 0   | 44,769 | 0   | 56,299 | 0   | 67,829 | 0   | 79,359 | 0   | 90,889  | 0   | 102,419 |
| 1/4 | 156    | 1/4 | 10,704 | 1/4 | 22,233 | 1/4 | 33,575 | 1/4 | 45,010 | 1/4 | 56,540 | 1/4 | 68,070 | 1/4 | 79,600 | 1/4 | 91,130  | 1/4 | 102,660 |
| 1/2 | 226    | 1/2 | 10,944 | 1/2 | 22,473 | 1/2 | 33,808 | 1/2 | 45,250 | 1/2 | 56,780 | 1/2 | 68,310 | 1/2 | 79,840 | 1/2 | 91,370  | 1/2 | 102,900 |
| 3/4 | 297    | 3/4 | 11,184 | 3/4 | 22,713 | 3/4 | 34,041 | 3/4 | 45,490 | 3/4 | 57,020 | 3/4 | 68,550 | 3/4 | 80,080 | 3/4 | 91,610  | 3/4 | 103,140 |
| 1   | 367    | 1   | 11,424 | 1   | 22,954 | 1   | 34,274 | 1   | 45,730 | 1   | 57,260 | 1   | 68,790 | 1   | 80,320 | 1   | 91,850  | 1   | 103,380 |
| 1/4 | 517    | 1/4 | 11,664 | 1/4 | 23,194 | 1/4 | 34,507 | 1/4 | 45,971 | 1/4 | 57,500 | 1/4 | 69,030 | 1/4 | 80,560 | 1/4 | 92,090  | 1/4 | 103,620 |
| 1/2 | 667    | 1/2 | 11,905 | 1/2 | 23,434 | 1/2 | 34,741 | 1/2 | 46,211 | 1/2 | 57,741 | 1/2 | 69,271 | 1/2 | 80,801 | 1/2 | 92,331  | 1/2 | 103,861 |
| 3/4 | 817    | 3/4 | 12,145 | 3/4 | 23,674 | 3/4 | 34,974 | 3/4 | 46,451 | 3/4 | 57,981 | 3/4 | 69,511 | 3/4 | 81,041 | 3/4 | 92,571  | 3/4 | 104,101 |
| 2   | 967    | 2   | 12,385 | 2   | 23,914 | 2   | 35,207 | 2   | 46,691 | 2   | 58,221 | 2   | 69,751 | 2   | 81,281 | 2   | 92,811  | 2   | 104,341 |
| 1/4 | 1,181  | 1/4 | 12,625 | 1/4 | 24,155 | 1/4 | 35,440 | 1/4 | 46,931 | 1/4 | 58,461 | 1/4 | 69,991 | 1/4 | 81,521 | 1/4 | 93,051  | 1/4 | 104,581 |
| 1/2 | 1,396  | 1/2 | 12,865 | 1/2 | 24,395 | 1/2 | 35,673 | 1/2 | 47,172 | 1/2 | 58,702 | 1/2 | 70,232 | 1/2 | 81,761 | 1/2 | 93,291  | 1/2 | 104,821 |
| 3/4 | 1,610  | 3/4 | 13,106 | 3/4 | 24,635 | 3/4 | 35,906 | 3/4 | 47,412 | 3/4 | 58,942 | 3/4 | 70,472 | 3/4 | 82,002 | 3/4 | 93,532  | 3/4 | 105,062 |
| 3   | 1,824  | 3   | 13,346 | 3   | 24,875 | 3   | 36,140 | 3   | 47,652 | 3   | 59,182 | 3   | 70,712 | 3   | 82,242 | 3   | 93,772  | 3   | 105,302 |
| 1/4 | 2,063  | 1/4 | 13,586 | 1/4 | 25,115 | 1/4 | 36,375 | 1/4 | 47,892 | 1/4 | 59,422 | 1/4 | 70,952 | 1/4 | 82,482 | 1/4 | 94,012  | 1/4 | 105,542 |
| 1/2 | 2,302  | 1/2 | 13,826 | 1/2 | 25,356 | 1/2 | 36,611 | 1/2 | 48,132 | 1/2 | 59,662 | 1/2 | 71,192 | 1/2 | 82,722 | 1/2 | 94,252  | 1/2 | 105,782 |
| 3/4 | 2,540  | 3/4 | 14,066 | 3/4 | 25,596 | 3/4 | 36,847 | 3/4 | 48,373 | 3/4 | 59,903 | 3/4 | 71,433 | 3/4 | 82,963 | 3/4 | 94,493  | 3/4 | 106,023 |
| 4   | 2,779  | 4   | 14,307 | 4   | 25,836 | 4   | 37,083 | 4   | 48,613 | 4   | 60,143 | 4   | 71,673 | 4   | 83,203 | 4   | 94,733  | 4   | 106,263 |
| 1/4 | 3,019  | 1/4 | 14,547 | 1/4 | 26,076 | 1/4 | 37,323 | 1/4 | 48,853 | 1/4 | 60,383 | 1/4 | 71,913 | 1/4 | 83,443 | 1/4 | 94,973  | 1/4 | 106,503 |
| 1/2 | 3,259  | 1/2 | 14,787 | 1/2 | 26,316 | 1/2 | 37,563 | 1/2 | 49,093 | 1/2 | 60,623 | 1/2 | 72,153 | 1/2 | 83,683 | 1/2 | 95,213  | 1/2 | 106,743 |
| 3/4 | 3,498  | 3/4 | 15,027 | 3/4 | 26,557 | 3/4 | 37,803 | 3/4 | 49,333 | 3/4 | 60,863 | 3/4 | 72,393 | 3/4 | 83,923 | 3/4 | 95,453  | 3/4 | 106,983 |
| 5   | 3,738  | 5   | 15,267 | 5   | 26,797 | 5   | 38,044 | 5   | 49,574 | 5   | 61,104 | 5   | 72,634 | 5   | 84,164 | 5   | 95,694  | 5   | 107,224 |
| 1/4 | 3,978  | 1/4 | 15,508 | 1/4 | 27,034 | 1/4 | 38,284 | 1/4 | 49,814 | 1/4 | 61,344 | 1/4 | 72,874 | 1/4 | 84,404 | 1/4 | 95,934  | 1/4 | 107,464 |
| 1/2 | 4,218  | 1/2 | 15,748 | 1/2 | 27,272 | 1/2 | 38,524 | 1/2 | 50,054 | 1/2 | 61,584 | 1/2 | 73,114 | 1/2 | 84,644 | 1/2 | 96,174  | 1/2 | 107,704 |
| 3/4 | 4,459  | 3/4 | 15,988 | 3/4 | 27,510 | 3/4 | 38,764 | 3/4 | 50,294 | 3/4 | 61,824 | 3/4 | 73,354 | 3/4 | 84,884 | 3/4 | 96,414  | 3/4 | 107,944 |
| 6   | 4,699  | 6   | 16,228 | 6   | 27,747 | 6   | 39,004 | 6   | 50,534 | 6   | 62,064 | 6   | 73,594 | 6   | 85,124 | 6   | 96,654  | 6   | 108,184 |
| 1/4 | 4,939  | 1/4 | 16,468 | 1/4 | 27,980 | 1/4 | 39,245 | 1/4 | 50,775 | 1/4 | 62,305 | 1/4 | 73,835 | 1/4 | 85,365 | 1/4 | 96,895  | 1/4 | 108,425 |
| 1/2 | 5,179  | 1/2 | 16,709 | 1/2 | 28,213 | 1/2 | 39,485 | 1/2 | 51,015 | 1/2 | 62,545 | 1/2 | 74,075 | 1/2 | 85,605 | 1/2 | 97,135  | 1/2 | 108,665 |
| 3/4 | 5,419  | 3/4 | 16,949 | 3/4 | 28,446 | 3/4 | 39,725 | 3/4 | 51,255 | 3/4 | 62,785 | 3/4 | 74,315 | 3/4 | 85,845 | 3/4 | 97,375  | 3/4 | 108,905 |
| 7   | 5,660  | 7   | 17,189 | 7   | 28,680 | 7   | 39,965 | 7   | 51,495 | 7   | 63,025 | 7   | 74,555 | 7   | 86,085 | 7   | 97,615  | 7   | 109,145 |
| 1/4 | 5,900  | 1/4 | 17,429 | 1/4 | 28,913 | 1/4 | 40,206 | 1/4 | 51,735 | 1/4 | 63,265 | 1/4 | 74,795 | 1/4 | 86,325 | 1/4 | 97,855  | 1/4 | 109,385 |
| 1/2 | 6,140  | 1/2 | 17,669 | 1/2 | 29,146 | 1/2 | 40,446 | 1/2 | 51,976 | 1/2 | 63,506 | 1/2 | 75,036 | 1/2 | 86,566 | 1/2 | 98,096  | 1/2 | 109,626 |
| 3/4 | 6,380  | 3/4 | 17,910 | 3/4 | 29,379 | 3/4 | 40,686 | 3/4 | 52,216 | 3/4 | 63,746 | 3/4 | 75,276 | 3/4 | 86,806 | 3/4 | 98,336  | 3/4 | 109,866 |
| 8   | 6,620  | 8   | 18,150 | 8   | 29,612 | 8   | 40,926 | 8   | 52,456 | 8   | 63,986 | 8   | 75,516 | 8   | 87,046 | 8   | 98,576  | 8   | 110,106 |
| 1/4 | 6,860  | 1/4 | 18,390 | 1/4 | 29,845 | 1/4 | 41,166 | 1/4 | 52,696 | 1/4 | 64,226 | 1/4 | 75,756 | 1/4 | 87,286 | 1/4 | 98,816  | 1/4 | 110,346 |
| 1/2 | 7,101  | 1/2 | 18,630 | 1/2 | 30,078 | 1/2 | 41,407 | 1/2 | 52,937 | 1/2 | 64,467 | 1/2 | 75,997 | 1/2 | 87,526 | 1/2 | 99,056  | 1/2 | 110,586 |
| 3/4 | 7,341  | 3/4 | 18,870 | 3/4 | 30,311 | 3/4 | 41,647 | 3/4 | 53,177 | 3/4 | 64,707 | 3/4 | 76,237 | 3/4 | 87,767 | 3/4 | 99,297  | 3/4 | 110,827 |
| 9   | 7,581  | 9   | 19,111 | 9   | 30,544 | 9   | 41,887 | 9   | 53,417 | 9   | 64,947 | 9   | 76,477 | 9   | 88,007 | 9   | 99,537  | 9   | 111,067 |
| 1/4 | 7,821  | 1/4 | 19,351 | 1/4 | 30,778 | 1/4 | 42,127 | 1/4 | 53,657 | 1/4 | 65,187 | 1/4 | 76,717 | 1/4 | 88,247 | 1/4 | 99,777  | 1/4 | 111,307 |
| 1/2 | 8,061  | 1/2 | 19,591 | 1/2 | 31,011 | 1/2 | 42,367 | 1/2 | 53,897 | 1/2 | 65,427 | 1/2 | 76,957 | 1/2 | 88,487 | 1/2 | 100,017 | 1/2 | 111,547 |
| 3/4 | 8,302  | 3/4 | 19,831 | 3/4 | 31,244 | 3/4 | 42,608 | 3/4 | 54,138 | 3/4 | 65,668 | 3/4 | 77,198 | 3/4 | 88,728 | 3/4 | 100,258 | 3/4 | 111,787 |
| 10  | 8,542  | 10  | 20,071 | 10  | 31,477 | 10  | 42,848 | 10  | 54,378 | 10  | 65,908 | 10  | 77,438 | 10  | 88,968 | 10  | 100,498 | 10  | 112,028 |
| 1/4 | 8,782  | 1/4 | 20,312 | 1/4 | 31,710 | 1/4 | 43,088 | 1/4 | 54,618 | 1/4 | 66,148 | 1/4 | 77,678 | 1/4 | 89,208 | 1/4 | 100,738 | 1/4 | 112,268 |
| 1/2 | 9,022  | 1/2 | 20,552 | 1/2 | 31,943 | 1/2 | 43,328 | 1/2 | 54,858 | 1/2 | 66,388 | 1/2 | 77,918 | 1/2 | 89,448 | 1/2 | 100,978 | 1/2 | 112,508 |
| 3/4 | 9,262  | 3/4 | 20,792 | 3/4 | 32,176 | 3/4 | 43,568 | 3/4 | 55,098 | 3/4 | 66,628 | 3/4 | 78,158 | 3/4 | 89,688 | 3/4 | 101,218 | 3/4 | 112,748 |
| 11  | 9,503  | 11  | 21,032 | 11  | 32,409 | 11  | 43,809 | 11  | 55,339 | 11  | 66,869 | 11  | 78,399 | 11  | 89,929 | 11  | 101,459 | 11  | 112,989 |
| 1/4 | 9,743  | 1/4 | 21,272 | 1/4 | 32,642 | 1/4 | 44,049 | 1/4 | 55,579 | 1/4 | 67,109 | 1/4 | 78,639 | 1/4 | 90,169 | 1/4 | 101,699 | 1/4 | 113,229 |
| 1/2 | 9,983  | 1/2 | 21,513 | 1/2 | 32,876 | 1/2 | 44,289 | 1/2 | 55,819 | 1/2 | 67,349 | 1/2 | 78,879 | 1/2 | 90,409 | 1/2 | 101,939 | 1/2 | 113,469 |
| 3/4 | 10,223 | 3/4 | 21,753 | 3/4 | 33,109 | 3/4 | 44,529 | 3/4 | 56,059 | 3/4 | 67,589 | 3/4 | 79,119 | 3/4 | 90,649 | 3/4 | 102,179 | 3/4 | 113,709 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "IB 1961"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 113,949 | 0   | 125,479 | 0   | 137,009 | 0   | 148,539 | 0   | 160,037 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 114,190 | 1/4 | 125,720 | 1/4 | 137,250 | 1/4 | 148,780 | 1/4 | 160,233 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 114,430 | 1/2 | 125,960 | 1/2 | 137,490 | 1/2 | 149,020 | 1/2 | 160,429 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 114,670 | 3/4 | 126,200 | 3/4 | 137,730 | 3/4 | 149,260 | 3/4 | 160,625 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 114,910 | 1   | 126,440 | 1   | 137,970 | 1   | 149,500 | 1   | 160,821 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 115,150 | 1/4 | 126,680 | 1/4 | 138,210 | 1/4 | 149,740 | 1/4 | 160,941 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 115,391 | 1/2 | 126,921 | 1/2 | 138,451 | 1/2 | 149,981 | 1/2 | 161,061 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 115,631 | 3/4 | 127,161 | 3/4 | 138,691 | 3/4 | 150,221 | 3/4 | 161,181 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 115,871 | 2   | 127,401 | 2   | 138,931 | 2   | 150,461 | 2   | 161,301 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 116,111 | 1/4 | 127,641 | 1/4 | 139,171 | 1/4 | 150,701 | 1/4 | 161,351 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 116,351 | 1/2 | 127,881 | 1/2 | 139,411 | 1/2 | 150,941 | 1/2 | 161,401 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 116,592 | 3/4 | 128,122 | 3/4 | 139,652 | 3/4 | 151,182 | 3/4 | 161,450 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 116,832 | 3   | 128,362 | 3   | 139,892 | 3   | 151,422 | 3   | 161,499 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 117,072 | 1/4 | 128,602 | 1/4 | 140,132 | 1/4 | 151,662 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 117,312 | 1/2 | 128,842 | 1/2 | 140,372 | 1/2 | 151,902 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 117,552 | 3/4 | 129,082 | 3/4 | 140,612 | 3/4 | 152,142 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 117,793 | 4   | 129,323 | 4   | 140,853 | 4   | 152,383 | 4   |         | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 118,033 | 1/4 | 129,563 | 1/4 | 141,093 | 1/4 | 152,623 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 118,273 | 1/2 | 129,803 | 1/2 | 141,333 | 1/2 | 152,863 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 118,513 | 3/4 | 130,043 | 3/4 | 141,573 | 3/4 | 153,103 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 118,754 | 5   | 130,284 | 5   | 141,813 | 5   | 153,343 | 5   |         | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 118,994 | 1/4 | 130,524 | 1/4 | 142,054 | 1/4 | 153,584 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,234 | 1/2 | 130,764 | 1/2 | 142,294 | 1/2 | 153,824 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,474 | 3/4 | 131,004 | 3/4 | 142,534 | 3/4 | 154,064 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 119,714 | 6   | 131,244 | 6   | 142,774 | 6   | 154,304 | 6   |         | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 119,955 | 1/4 | 131,485 | 1/4 | 143,015 | 1/4 | 154,545 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,195 | 1/2 | 131,725 | 1/2 | 143,255 | 1/2 | 154,785 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,435 | 3/4 | 131,965 | 3/4 | 143,495 | 3/4 | 155,025 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 120,675 | 7   | 132,205 | 7   | 143,735 | 7   | 155,265 | 7   |         | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 120,915 | 1/4 | 132,445 | 1/4 | 143,975 | 1/4 | 155,505 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,156 | 1/2 | 132,686 | 1/2 | 144,216 | 1/2 | 155,746 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,396 | 3/4 | 132,926 | 3/4 | 144,456 | 3/4 | 155,986 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 121,636 | 8   | 133,166 | 8   | 144,696 | 8   | 156,226 | 8   |         | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 121,876 | 1/4 | 133,406 | 1/4 | 144,936 | 1/4 | 156,466 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,116 | 1/2 | 133,646 | 1/2 | 145,176 | 1/2 | 156,706 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,357 | 3/4 | 133,887 | 3/4 | 145,417 | 3/4 | 156,947 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 122,597 | 9   | 134,127 | 9   | 145,657 | 9   | 157,187 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 122,837 | 1/4 | 134,367 | 1/4 | 145,897 | 1/4 | 157,427 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,077 | 1/2 | 134,607 | 1/2 | 146,137 | 1/2 | 157,667 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,317 | 3/4 | 134,847 | 3/4 | 146,377 | 3/4 | 157,907 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 123,558 | 10  | 135,088 | 10  | 146,618 | 10  | 158,147 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 123,798 | 1/4 | 135,328 | 1/4 | 146,858 | 1/4 | 158,387 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 124,038 | 1/2 | 135,568 | 1/2 | 147,098 | 1/2 | 158,626 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,278 | 3/4 | 135,808 | 3/4 | 147,338 | 3/4 | 158,866 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 124,519 | 11  | 136,049 | 11  | 147,578 | 11  | 159,105 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 124,759 | 1/4 | 136,289 | 1/4 | 147,819 | 1/4 | 159,338 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 124,999 | 1/2 | 136,529 | 1/2 | 148,059 | 1/2 | 159,571 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 125,239 | 3/4 | 136,769 | 3/4 | 148,299 | 3/4 | 159,804 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2015 CL  
CALCULATED: 07/16/2015 CL  
PRINTED: 07/16/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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



# BARGE "IB 1961"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0   | 86     | 0   | 10,402 | 0   | 21,864 | 0   | 33,315 | 0   | 44,771 | 0   | 56,234 | 0   | 67,697 | 0   | 79,159 | 0   | 90,622  | 0   | 102,084 |
| 1/4 | 156    | 1/4 | 10,641 | 1/4 | 22,103 | 1/4 | 33,553 | 1/4 | 45,010 | 1/4 | 56,473 | 1/4 | 67,935 | 1/4 | 79,398 | 1/4 | 90,860  | 1/4 | 102,323 |
| 1/2 | 225    | 1/2 | 10,880 | 1/2 | 22,342 | 1/2 | 33,792 | 1/2 | 45,249 | 1/2 | 56,712 | 1/2 | 68,174 | 1/2 | 79,637 | 1/2 | 91,099  | 1/2 | 102,562 |
| 3/4 | 295    | 3/4 | 11,119 | 3/4 | 22,581 | 3/4 | 34,030 | 3/4 | 45,488 | 3/4 | 56,950 | 3/4 | 68,413 | 3/4 | 79,875 | 3/4 | 91,338  | 3/4 | 102,800 |
| 1   | 365    | 1   | 11,359 | 1   | 22,820 | 1   | 34,268 | 1   | 45,727 | 1   | 57,189 | 1   | 68,652 | 1   | 80,114 | 1   | 91,577  | 1   | 103,039 |
| 1/4 | 514    | 1/4 | 11,596 | 1/4 | 23,058 | 1/4 | 34,507 | 1/4 | 45,965 | 1/4 | 57,428 | 1/4 | 68,891 | 1/4 | 80,353 | 1/4 | 91,816  | 1/4 | 103,278 |
| 1/2 | 663    | 1/2 | 11,835 | 1/2 | 23,297 | 1/2 | 34,745 | 1/2 | 46,204 | 1/2 | 57,667 | 1/2 | 69,129 | 1/2 | 80,592 | 1/2 | 92,054  | 1/2 | 103,517 |
| 3/4 | 812    | 3/4 | 12,074 | 3/4 | 23,536 | 3/4 | 34,984 | 3/4 | 46,443 | 3/4 | 57,906 | 3/4 | 69,368 | 3/4 | 80,831 | 3/4 | 92,293  | 3/4 | 103,756 |
| 2   | 961    | 2   | 12,313 | 2   | 23,775 | 2   | 35,222 | 2   | 46,682 | 2   | 58,144 | 2   | 69,607 | 2   | 81,069 | 2   | 92,532  | 2   | 103,994 |
| 1/4 | 1,175  | 1/4 | 12,551 | 1/4 | 24,014 | 1/4 | 35,460 | 1/4 | 46,921 | 1/4 | 58,383 | 1/4 | 69,846 | 1/4 | 81,308 | 1/4 | 92,771  | 1/4 | 104,233 |
| 1/2 | 1,388  | 1/2 | 12,790 | 1/2 | 24,252 | 1/2 | 35,699 | 1/2 | 47,159 | 1/2 | 58,622 | 1/2 | 70,085 | 1/2 | 81,547 | 1/2 | 93,010  | 1/2 | 104,472 |
| 3/4 | 1,601  | 3/4 | 13,029 | 3/4 | 24,491 | 3/4 | 35,937 | 3/4 | 47,398 | 3/4 | 58,861 | 3/4 | 70,323 | 3/4 | 81,786 | 3/4 | 93,248  | 3/4 | 104,711 |
| 3   | 1,814  | 3   | 13,268 | 3   | 24,730 | 3   | 36,176 | 3   | 47,637 | 3   | 59,100 | 3   | 70,562 | 3   | 82,025 | 3   | 93,487  | 3   | 104,950 |
| 1/4 | 2,051  | 1/4 | 13,507 | 1/4 | 24,969 | 1/4 | 36,414 | 1/4 | 47,876 | 1/4 | 59,338 | 1/4 | 70,801 | 1/4 | 82,263 | 1/4 | 93,726  | 1/4 | 105,188 |
| 1/2 | 2,288  | 1/2 | 13,745 | 1/2 | 25,208 | 1/2 | 36,653 | 1/2 | 48,115 | 1/2 | 59,577 | 1/2 | 71,040 | 1/2 | 82,502 | 1/2 | 93,965  | 1/2 | 105,427 |
| 3/4 | 2,526  | 3/4 | 13,984 | 3/4 | 25,446 | 3/4 | 36,891 | 3/4 | 48,354 | 3/4 | 59,816 | 3/4 | 71,279 | 3/4 | 82,741 | 3/4 | 94,204  | 3/4 | 105,666 |
| 4   | 2,763  | 4   | 14,223 | 4   | 25,685 | 4   | 37,130 | 4   | 48,592 | 4   | 60,055 | 4   | 71,517 | 4   | 82,980 | 4   | 94,442  | 4   | 105,905 |
| 1/4 | 3,001  | 1/4 | 14,462 | 1/4 | 25,924 | 1/4 | 37,369 | 1/4 | 48,831 | 1/4 | 60,294 | 1/4 | 71,756 | 1/4 | 83,219 | 1/4 | 94,681  | 1/4 | 106,144 |
| 1/2 | 3,240  | 1/2 | 14,701 | 1/2 | 26,163 | 1/2 | 37,607 | 1/2 | 49,070 | 1/2 | 60,532 | 1/2 | 71,995 | 1/2 | 83,457 | 1/2 | 94,920  | 1/2 | 106,382 |
| 3/4 | 3,478  | 3/4 | 14,939 | 3/4 | 26,401 | 3/4 | 37,846 | 3/4 | 49,309 | 3/4 | 60,771 | 3/4 | 72,234 | 3/4 | 83,696 | 3/4 | 95,159  | 3/4 | 106,621 |
| 5   | 3,716  | 5   | 15,178 | 5   | 26,640 | 5   | 38,085 | 5   | 49,548 | 5   | 61,010 | 5   | 72,473 | 5   | 83,935 | 5   | 95,398  | 5   | 106,860 |
| 1/4 | 3,955  | 1/4 | 15,417 | 1/4 | 26,879 | 1/4 | 38,324 | 1/4 | 49,786 | 1/4 | 61,249 | 1/4 | 72,711 | 1/4 | 84,174 | 1/4 | 95,636  | 1/4 | 107,099 |
| 1/2 | 4,194  | 1/2 | 15,656 | 1/2 | 27,118 | 1/2 | 38,563 | 1/2 | 50,025 | 1/2 | 61,488 | 1/2 | 72,950 | 1/2 | 84,413 | 1/2 | 95,875  | 1/2 | 107,338 |
| 3/4 | 4,433  | 3/4 | 15,895 | 3/4 | 27,356 | 3/4 | 38,801 | 3/4 | 50,264 | 3/4 | 61,726 | 3/4 | 73,189 | 3/4 | 84,651 | 3/4 | 96,114  | 3/4 | 107,577 |
| 6   | 4,671  | 6   | 16,133 | 6   | 27,595 | 6   | 39,040 | 6   | 50,503 | 6   | 61,965 | 6   | 73,428 | 6   | 84,890 | 6   | 96,353  | 6   | 107,815 |
| 1/4 | 4,910  | 1/4 | 16,372 | 1/4 | 27,833 | 1/4 | 39,279 | 1/4 | 50,742 | 1/4 | 62,204 | 1/4 | 73,667 | 1/4 | 85,129 | 1/4 | 96,592  | 1/4 | 108,054 |
| 1/2 | 5,149  | 1/2 | 16,611 | 1/2 | 28,071 | 1/2 | 39,518 | 1/2 | 50,980 | 1/2 | 62,443 | 1/2 | 73,905 | 1/2 | 85,368 | 1/2 | 96,830  | 1/2 | 108,293 |
| 3/4 | 5,388  | 3/4 | 16,850 | 3/4 | 28,310 | 3/4 | 39,757 | 3/4 | 51,219 | 3/4 | 62,682 | 3/4 | 74,144 | 3/4 | 85,607 | 3/4 | 97,069  | 3/4 | 108,532 |
| 7   | 5,627  | 7   | 17,089 | 7   | 28,548 | 7   | 39,995 | 7   | 51,458 | 7   | 62,920 | 7   | 74,383 | 7   | 85,845 | 7   | 97,308  | 7   | 108,771 |
| 1/4 | 5,865  | 1/4 | 17,327 | 1/4 | 28,787 | 1/4 | 40,234 | 1/4 | 51,697 | 1/4 | 63,159 | 1/4 | 74,622 | 1/4 | 86,084 | 1/4 | 97,547  | 1/4 | 109,009 |
| 1/2 | 6,104  | 1/2 | 17,566 | 1/2 | 29,025 | 1/2 | 40,473 | 1/2 | 51,936 | 1/2 | 63,398 | 1/2 | 74,861 | 1/2 | 86,323 | 1/2 | 97,786  | 1/2 | 109,248 |
| 3/4 | 6,343  | 3/4 | 17,805 | 3/4 | 29,263 | 3/4 | 40,712 | 3/4 | 52,174 | 3/4 | 63,637 | 3/4 | 75,099 | 3/4 | 86,562 | 3/4 | 98,024  | 3/4 | 109,487 |
| 8   | 6,582  | 8   | 18,044 | 8   | 29,502 | 8   | 40,951 | 8   | 52,413 | 8   | 63,876 | 8   | 75,338 | 8   | 86,801 | 8   | 98,263  | 8   | 109,726 |
| 1/4 | 6,821  | 1/4 | 18,283 | 1/4 | 29,740 | 1/4 | 41,189 | 1/4 | 52,652 | 1/4 | 64,114 | 1/4 | 75,577 | 1/4 | 87,039 | 1/4 | 98,502  | 1/4 | 109,965 |
| 1/2 | 7,059  | 1/2 | 18,521 | 1/2 | 29,978 | 1/2 | 41,428 | 1/2 | 52,891 | 1/2 | 64,353 | 1/2 | 75,816 | 1/2 | 87,278 | 1/2 | 98,741  | 1/2 | 110,203 |
| 3/4 | 7,298  | 3/4 | 18,760 | 3/4 | 30,217 | 3/4 | 41,667 | 3/4 | 53,130 | 3/4 | 64,592 | 3/4 | 76,055 | 3/4 | 87,517 | 3/4 | 98,980  | 3/4 | 110,442 |
| 9   | 7,537  | 9   | 18,999 | 9   | 30,455 | 9   | 41,906 | 9   | 53,368 | 9   | 64,831 | 9   | 76,293 | 9   | 87,756 | 9   | 99,218  | 9   | 110,681 |
| 1/4 | 7,776  | 1/4 | 19,238 | 1/4 | 30,693 | 1/4 | 42,145 | 1/4 | 53,607 | 1/4 | 65,070 | 1/4 | 76,532 | 1/4 | 87,995 | 1/4 | 99,457  | 1/4 | 110,920 |
| 1/2 | 8,014  | 1/2 | 19,476 | 1/2 | 30,932 | 1/2 | 42,383 | 1/2 | 53,846 | 1/2 | 65,308 | 1/2 | 76,771 | 1/2 | 88,234 | 1/2 | 99,696  | 1/2 | 111,159 |
| 3/4 | 8,253  | 3/4 | 19,715 | 3/4 | 31,170 | 3/4 | 42,622 | 3/4 | 54,085 | 3/4 | 65,547 | 3/4 | 77,010 | 3/4 | 88,472 | 3/4 | 99,935  | 3/4 | 111,397 |
| 10  | 8,492  | 10  | 19,954 | 10  | 31,408 | 10  | 42,861 | 10  | 54,324 | 10  | 65,786 | 10  | 77,249 | 10  | 88,711 | 10  | 100,174 | 10  | 111,636 |
| 1/4 | 8,731  | 1/4 | 20,193 | 1/4 | 31,647 | 1/4 | 43,100 | 1/4 | 54,562 | 1/4 | 66,025 | 1/4 | 77,487 | 1/4 | 88,950 | 1/4 | 100,412 | 1/4 | 111,875 |
| 1/2 | 8,970  | 1/2 | 20,432 | 1/2 | 31,885 | 1/2 | 43,339 | 1/2 | 54,801 | 1/2 | 66,264 | 1/2 | 77,726 | 1/2 | 89,189 | 1/2 | 100,651 | 1/2 | 112,114 |
| 3/4 | 9,208  | 3/4 | 20,670 | 3/4 | 32,123 | 3/4 | 43,577 | 3/4 | 55,040 | 3/4 | 66,502 | 3/4 | 77,965 | 3/4 | 89,428 | 3/4 | 100,890 | 3/4 | 112,353 |
| 11  | 9,447  | 11  | 20,909 | 11  | 32,362 | 11  | 43,816 | 11  | 55,279 | 11  | 66,741 | 11  | 78,204 | 11  | 89,666 | 11  | 101,129 | 11  | 112,591 |
| 1/4 | 9,686  | 1/4 | 21,148 | 1/4 | 32,600 | 1/4 | 44,055 | 1/4 | 55,518 | 1/4 | 66,980 | 1/4 | 78,443 | 1/4 | 89,905 | 1/4 | 101,368 | 1/4 | 112,830 |
| 1/2 | 9,925  | 1/2 | 21,387 | 1/2 | 32,838 | 1/2 | 44,294 | 1/2 | 55,756 | 1/2 | 67,219 | 1/2 | 78,681 | 1/2 | 90,144 | 1/2 | 101,606 | 1/2 | 113,069 |
| 3/4 | 10,164 | 3/4 | 21,626 | 3/4 | 33,077 | 3/4 | 44,533 | 3/4 | 55,995 | 3/4 | 67,458 | 3/4 | 78,920 | 3/4 | 90,383 | 3/4 | 101,845 | 3/4 | 113,308 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "IB 1961"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT.  | IN  | 16 FT.  | IN  | 17 FT.  | IN  | 18 FT.  | IN  | 19 FT.  |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 113,547 | 0   | 125,009 | 0   | 136,472 | 0   | 147,934 | 0   | 159,365 | 0   | 170,766 | 0   | 182,127 | 0   | 193,448 | 0   | 204,729 | 0   | 215,970 |
| 1/4 | 113,785 | 1/4 | 125,248 | 1/4 | 136,710 | 1/4 | 148,173 | 1/4 | 159,560 | 1/4 | 170,911 | 1/4 | 182,212 | 1/4 | 193,473 | 1/4 | 204,694 | 1/4 | 215,875 |
| 1/2 | 114,024 | 1/2 | 125,487 | 1/2 | 136,949 | 1/2 | 148,412 | 1/2 | 159,754 | 1/2 | 171,055 | 1/2 | 182,306 | 1/2 | 193,527 | 1/2 | 204,708 | 1/2 | 215,849 |
| 3/4 | 114,263 | 3/4 | 125,725 | 3/4 | 137,188 | 3/4 | 148,651 | 3/4 | 159,949 | 3/4 | 171,293 | 3/4 | 182,514 | 3/4 | 193,695 | 3/4 | 204,836 | 3/4 | 215,930 |
| 1   | 114,502 | 1   | 125,964 | 1   | 137,427 | 1   | 148,889 | 1   | 160,144 | 1   | 171,442 | 1   | 182,663 | 1   | 193,804 | 1   | 204,945 | 1   | 216,039 |
| 1/4 | 114,741 | 1/4 | 126,203 | 1/4 | 137,666 | 1/4 | 149,128 | 1/4 | 160,263 | 1/4 | 171,564 | 1/4 | 182,785 | 1/4 | 193,926 | 1/4 | 205,067 | 1/4 | 216,133 |
| 1/2 | 114,979 | 1/2 | 126,442 | 1/2 | 137,904 | 1/2 | 149,367 | 1/2 | 160,383 | 1/2 | 171,684 | 1/2 | 182,905 | 1/2 | 194,046 | 1/2 | 205,188 | 1/2 | 216,229 |
| 3/4 | 115,218 | 3/4 | 126,681 | 3/4 | 138,143 | 3/4 | 149,606 | 3/4 | 160,502 | 3/4 | 171,985 | 3/4 | 183,206 | 3/4 | 194,347 | 3/4 | 205,429 | 3/4 | 216,325 |
| 2   | 115,457 | 2   | 126,919 | 2   | 138,382 | 2   | 149,845 | 2   | 160,622 | 2   | 172,224 | 2   | 183,445 | 2   | 194,588 | 2   | 205,669 | 2   | 216,421 |
| 1/4 | 115,696 | 1/4 | 127,158 | 1/4 | 138,621 | 1/4 | 150,083 | 1/4 | 160,741 | 1/4 | 172,465 | 1/4 | 183,686 | 1/4 | 194,827 | 1/4 | 205,910 | 1/4 | 216,517 |
| 1/2 | 115,935 | 1/2 | 127,397 | 1/2 | 138,860 | 1/2 | 150,322 | 1/2 | 160,860 | 1/2 | 172,704 | 1/2 | 183,925 | 1/2 | 195,066 | 1/2 | 206,151 | 1/2 | 216,613 |
| 3/4 | 116,173 | 3/4 | 127,636 | 3/4 | 139,098 | 3/4 | 150,561 | 3/4 | 160,979 | 3/4 | 173,023 | 3/4 | 184,204 | 3/4 | 195,305 | 3/4 | 206,392 | 3/4 | 216,709 |
| 3   | 116,412 | 3   | 127,875 | 3   | 139,337 | 3   | 150,800 | 3   | 160,818 | 3   | 173,265 | 3   | 184,446 | 3   | 195,546 | 3   | 206,633 | 3   | 216,805 |
| 1/4 | 116,651 | 1/4 | 128,114 | 1/4 | 139,576 | 1/4 | 151,039 | 1/4 | 161,037 | 1/4 | 173,507 | 1/4 | 184,687 | 1/4 | 195,787 | 1/4 | 206,874 | 1/4 | 216,901 |
| 1/2 | 116,890 | 1/2 | 128,352 | 1/2 | 139,815 | 1/2 | 151,277 | 1/2 | 161,156 | 1/2 | 173,749 | 1/2 | 184,928 | 1/2 | 196,028 | 1/2 | 207,115 | 1/2 | 217,007 |
| 3/4 | 117,129 | 3/4 | 128,591 | 3/4 | 140,054 | 3/4 | 151,516 | 3/4 | 161,275 | 3/4 | 174,091 | 3/4 | 185,167 | 3/4 | 196,269 | 3/4 | 207,356 | 3/4 | 217,103 |
| 4   | 117,367 | 4   | 128,830 | 4   | 140,292 | 4   | 151,755 | 4   | 161,394 | 4   | 174,333 | 4   | 185,408 | 4   | 196,510 | 4   | 207,597 | 4   | 217,209 |
| 1/4 | 117,606 | 1/4 | 129,069 | 1/4 | 140,531 | 1/4 | 151,994 | 1/4 | 161,513 | 1/4 | 174,575 | 1/4 | 185,649 | 1/4 | 196,751 | 1/4 | 207,838 | 1/4 | 217,305 |
| 1/2 | 117,845 | 1/2 | 129,308 | 1/2 | 140,770 | 1/2 | 152,233 | 1/2 | 161,632 | 1/2 | 174,817 | 1/2 | 185,890 | 1/2 | 196,992 | 1/2 | 208,079 | 1/2 | 217,401 |
| 3/4 | 118,084 | 3/4 | 129,546 | 3/4 | 141,009 | 3/4 | 152,471 | 3/4 | 161,751 | 3/4 | 175,059 | 3/4 | 186,135 | 3/4 | 197,233 | 3/4 | 208,320 | 3/4 | 217,497 |
| 5   | 118,323 | 5   | 129,785 | 5   | 141,248 | 5   | 152,710 | 5   | 161,870 | 5   | 175,301 | 5   | 186,376 | 5   | 197,474 | 5   | 208,561 | 5   | 217,593 |
| 1/4 | 118,561 | 1/4 | 130,024 | 1/4 | 141,486 | 1/4 | 152,949 | 1/4 | 161,989 | 1/4 | 175,543 | 1/4 | 186,617 | 1/4 | 197,715 | 1/4 | 208,802 | 1/4 | 217,689 |
| 1/2 | 118,800 | 1/2 | 130,263 | 1/2 | 141,725 | 1/2 | 153,188 | 1/2 | 162,108 | 1/2 | 175,785 | 1/2 | 186,858 | 1/2 | 197,956 | 1/2 | 209,043 | 1/2 | 217,785 |
| 3/4 | 119,039 | 3/4 | 130,502 | 3/4 | 141,964 | 3/4 | 153,427 | 3/4 | 162,227 | 3/4 | 176,027 | 3/4 | 187,103 | 3/4 | 198,197 | 3/4 | 209,284 | 3/4 | 217,881 |
| 6   | 119,278 | 6   | 130,740 | 6   | 142,203 | 6   | 153,665 | 6   | 162,346 | 6   | 176,269 | 6   | 187,344 | 6   | 198,438 | 6   | 209,525 | 6   | 217,977 |
| 1/4 | 119,517 | 1/4 | 130,979 | 1/4 | 142,442 | 1/4 | 153,904 | 1/4 | 162,465 | 1/4 | 176,511 | 1/4 | 187,585 | 1/4 | 198,679 | 1/4 | 209,766 | 1/4 | 218,073 |
| 1/2 | 119,755 | 1/2 | 131,218 | 1/2 | 142,680 | 1/2 | 154,143 | 1/2 | 162,584 | 1/2 | 176,753 | 1/2 | 187,826 | 1/2 | 198,920 | 1/2 | 210,007 | 1/2 | 218,169 |
| 3/4 | 119,994 | 3/4 | 131,457 | 3/4 | 142,919 | 3/4 | 154,382 | 3/4 | 162,703 | 3/4 | 177,095 | 3/4 | 188,067 | 3/4 | 199,161 | 3/4 | 210,248 | 3/4 | 218,265 |
| 7   | 120,233 | 7   | 131,696 | 7   | 143,158 | 7   | 154,621 | 7   | 162,822 | 7   | 177,337 | 7   | 188,308 | 7   | 199,402 | 7   | 210,489 | 7   | 218,361 |
| 1/4 | 120,472 | 1/4 | 131,934 | 1/4 | 143,397 | 1/4 | 154,859 | 1/4 | 162,941 | 1/4 | 177,579 | 1/4 | 188,549 | 1/4 | 199,643 | 1/4 | 210,730 | 1/4 | 218,457 |
| 1/2 | 120,711 | 1/2 | 132,173 | 1/2 | 143,636 | 1/2 | 155,098 | 1/2 | 163,060 | 1/2 | 177,821 | 1/2 | 188,790 | 1/2 | 199,884 | 1/2 | 210,971 | 1/2 | 218,553 |
| 3/4 | 120,949 | 3/4 | 132,412 | 3/4 | 143,874 | 3/4 | 155,337 | 3/4 | 163,179 | 3/4 | 178,063 | 3/4 | 189,031 | 3/4 | 200,125 | 3/4 | 211,212 | 3/4 | 218,649 |
| 8   | 121,188 | 8   | 132,651 | 8   | 144,113 | 8   | 155,576 | 8   | 163,298 | 8   | 178,305 | 8   | 189,272 | 8   | 200,366 | 8   | 211,453 | 8   | 218,745 |
| 1/4 | 121,427 | 1/4 | 132,890 | 1/4 | 144,352 | 1/4 | 155,815 | 1/4 | 163,417 | 1/4 | 178,547 | 1/4 | 189,513 | 1/4 | 200,607 | 1/4 | 211,694 | 1/4 | 218,841 |
| 1/2 | 121,666 | 1/2 | 133,128 | 1/2 | 144,591 | 1/2 | 156,053 | 1/2 | 163,536 | 1/2 | 178,789 | 1/2 | 189,754 | 1/2 | 200,848 | 1/2 | 211,935 | 1/2 | 218,937 |
| 3/4 | 121,905 | 3/4 | 133,367 | 3/4 | 144,830 | 3/4 | 156,292 | 3/4 | 163,655 | 3/4 | 179,031 | 3/4 | 190,095 | 3/4 | 201,089 | 3/4 | 212,176 | 3/4 | 219,033 |
| 9   | 122,143 | 9   | 133,606 | 9   | 145,068 | 9   | 156,531 | 9   | 163,774 | 9   | 179,273 | 9   | 190,336 | 9   | 201,330 | 9   | 212,417 | 9   | 219,129 |
| 1/4 | 122,382 | 1/4 | 133,845 | 1/4 | 145,307 | 1/4 | 156,770 | 1/4 | 163,893 | 1/4 | 179,515 | 1/4 | 190,577 | 1/4 | 201,571 | 1/4 | 212,658 | 1/4 | 219,225 |
| 1/2 | 122,621 | 1/2 | 134,084 | 1/2 | 145,546 | 1/2 | 157,008 | 1/2 | 164,012 | 1/2 | 179,757 | 1/2 | 190,818 | 1/2 | 201,812 | 1/2 | 212,899 | 1/2 | 219,321 |
| 3/4 | 122,860 | 3/4 | 134,322 | 3/4 | 145,785 | 3/4 | 157,247 | 3/4 | 164,131 | 3/4 | 180,009 | 3/4 | 191,059 | 3/4 | 202,053 | 3/4 | 213,140 | 3/4 | 219,417 |
| 10  | 123,099 | 10  | 134,561 | 10  | 146,024 | 10  | 157,486 | 10  | 164,250 | 10  | 180,251 | 10  | 191,300 | 10  | 202,294 | 10  | 213,381 | 10  | 219,513 |
| 1/4 | 123,337 | 1/4 | 134,800 | 1/4 | 146,262 | 1/4 | 157,724 | 1/4 | 164,369 | 1/4 | 180,493 | 1/4 | 191,541 | 1/4 | 202,535 | 1/4 | 213,622 | 1/4 | 219,609 |
| 1/2 | 123,576 | 1/2 | 135,039 | 1/2 | 146,501 | 1/2 | 157,962 | 1/2 | 164,488 | 1/2 | 180,735 | 1/2 | 191,782 | 1/2 | 202,776 | 1/2 | 213,863 | 1/2 | 219,705 |
| 3/4 | 123,815 | 3/4 | 135,278 | 3/4 | 146,740 | 3/4 | 158,200 | 3/4 | 164,607 | 3/4 | 180,977 | 3/4 | 192,023 | 3/4 | 203,017 | 3/4 | 214,104 | 3/4 | 219,801 |
| 11  | 124,054 | 11  | 135,516 | 11  | 146,979 | 11  | 158,438 | 11  | 164,726 | 11  | 181,219 | 11  | 192,264 | 11  | 203,258 | 11  | 214,345 | 11  | 219,897 |
| 1/4 | 124,293 | 1/4 | 135,755 | 1/4 | 147,218 | 1/4 | 158,676 | 1/4 | 164,845 | 1/4 | 181,461 | 1/4 | 192,505 | 1/4 | 203,499 | 1/4 | 214,586 | 1/4 | 219,993 |
| 1/2 | 124,531 | 1/2 | 135,994 | 1/2 | 147,457 | 1/2 | 158,914 | 1/2 | 164,964 | 1/2 | 181,703 | 1/2 | 192,746 | 1/2 | 203,740 | 1/2 | 214,827 | 1/2 | 220,089 |
| 3/4 | 124,770 | 3/4 | 136,233 | 3/4 | 147,695 | 3/4 | 159,153 | 3/4 | 165,083 | 3/4 | 181,945 | 3/4 | 192,987 | 3/4 | 203,981 | 3/4 | 215,068 | 3/4 | 220,185 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2015 CL  
CALCULATED: 07/16/2015 CL  
PRINTED: 07/16/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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