



# BARGE "IB 1951"

## 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 3 CENTER IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

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# BARGE "IB 1951"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04"

| 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   | 10,897 | 0   | 22,888 | 0   | 34,710 | 0   | 46,600 | 0   | 58,584 | 0   | 70,552 | 0   | 82,543 | 0   | 94,534  | 0   | 106,525 |
| 1/4 | 162    | 1/4 | 11,146 | 1/4 | 23,138 | 1/4 | 34,953 | 1/4 | 46,850 | 1/4 | 58,833 | 1/4 | 70,802 | 1/4 | 82,793 | 1/4 | 94,784  | 1/4 | 106,775 |
| 1/2 | 235    | 1/2 | 11,396 | 1/2 | 23,388 | 1/2 | 35,196 | 1/2 | 47,099 | 1/2 | 59,083 | 1/2 | 71,052 | 1/2 | 83,043 | 1/2 | 95,034  | 1/2 | 107,024 |
| 3/4 | 308    | 3/4 | 11,646 | 3/4 | 23,638 | 3/4 | 35,439 | 3/4 | 47,349 | 3/4 | 59,332 | 3/4 | 71,302 | 3/4 | 83,293 | 3/4 | 95,284  | 3/4 | 107,274 |
| 1   | 381    | 1   | 11,896 | 1   | 23,888 | 1   | 35,682 | 1   | 47,599 | 1   | 59,581 | 1   | 71,552 | 1   | 83,543 | 1   | 95,533  | 1   | 107,524 |
| 1/4 | 537    | 1/4 | 12,146 | 1/4 | 24,137 | 1/4 | 35,925 | 1/4 | 47,848 | 1/4 | 59,830 | 1/4 | 71,801 | 1/4 | 83,792 | 1/4 | 95,783  | 1/4 | 107,774 |
| 1/2 | 694    | 1/2 | 12,396 | 1/2 | 24,387 | 1/2 | 36,169 | 1/2 | 48,098 | 1/2 | 60,080 | 1/2 | 72,051 | 1/2 | 84,042 | 1/2 | 96,033  | 1/2 | 108,024 |
| 3/4 | 850    | 3/4 | 12,645 | 3/4 | 24,637 | 3/4 | 36,412 | 3/4 | 48,348 | 3/4 | 60,329 | 3/4 | 72,301 | 3/4 | 84,292 | 3/4 | 96,283  | 3/4 | 108,273 |
| 2   | 1,007  | 2   | 12,895 | 2   | 24,887 | 2   | 36,655 | 2   | 48,598 | 2   | 60,578 | 2   | 72,551 | 2   | 84,542 | 2   | 96,532  | 2   | 108,523 |
| 1/4 | 1,230  | 1/4 | 13,145 | 1/4 | 25,137 | 1/4 | 36,898 | 1/4 | 48,847 | 1/4 | 60,827 | 1/4 | 72,801 | 1/4 | 84,792 | 1/4 | 96,782  | 1/4 | 108,773 |
| 1/2 | 1,453  | 1/2 | 13,395 | 1/2 | 25,386 | 1/2 | 37,141 | 1/2 | 49,097 | 1/2 | 61,076 | 1/2 | 73,050 | 1/2 | 85,042 | 1/2 | 97,032  | 1/2 | 109,023 |
| 3/4 | 1,677  | 3/4 | 13,645 | 3/4 | 25,636 | 3/4 | 37,384 | 3/4 | 49,347 | 3/4 | 61,326 | 3/4 | 73,300 | 3/4 | 85,291 | 3/4 | 97,282  | 3/4 | 109,273 |
| 3   | 1,900  | 3   | 13,895 | 3   | 25,886 | 3   | 37,628 | 3   | 49,596 | 3   | 61,575 | 3   | 73,550 | 3   | 85,541 | 3   | 97,532  | 3   | 109,523 |
| 1/4 | 2,149  | 1/4 | 14,144 | 1/4 | 26,136 | 1/4 | 37,873 | 1/4 | 49,846 | 1/4 | 61,824 | 1/4 | 73,800 | 1/4 | 85,791 | 1/4 | 97,781  | 1/4 | 109,772 |
| 1/2 | 2,398  | 1/2 | 14,394 | 1/2 | 26,386 | 1/2 | 38,119 | 1/2 | 50,096 | 1/2 | 62,073 | 1/2 | 74,050 | 1/2 | 86,041 | 1/2 | 98,031  | 1/2 | 110,022 |
| 3/4 | 2,646  | 3/4 | 14,644 | 3/4 | 26,636 | 3/4 | 38,364 | 3/4 | 50,345 | 3/4 | 62,322 | 3/4 | 74,300 | 3/4 | 86,291 | 3/4 | 98,281  | 3/4 | 110,272 |
| 4   | 2,895  | 4   | 14,894 | 4   | 26,885 | 4   | 38,610 | 4   | 50,595 | 4   | 62,572 | 4   | 74,549 | 4   | 86,540 | 4   | 98,531  | 4   | 110,522 |
| 1/4 | 3,145  | 1/4 | 15,144 | 1/4 | 27,135 | 1/4 | 38,860 | 1/4 | 50,845 | 1/4 | 62,821 | 1/4 | 74,799 | 1/4 | 86,790 | 1/4 | 98,781  | 1/4 | 110,772 |
| 1/2 | 3,395  | 1/2 | 15,394 | 1/2 | 27,385 | 1/2 | 39,109 | 1/2 | 51,094 | 1/2 | 63,070 | 1/2 | 75,049 | 1/2 | 87,040 | 1/2 | 99,030  | 1/2 | 111,021 |
| 3/4 | 3,645  | 3/4 | 15,643 | 3/4 | 27,635 | 3/4 | 39,359 | 3/4 | 51,344 | 3/4 | 63,319 | 3/4 | 75,299 | 3/4 | 87,290 | 3/4 | 99,280  | 3/4 | 111,271 |
| 5   | 3,895  | 5   | 15,893 | 5   | 27,885 | 5   | 39,609 | 5   | 51,594 | 5   | 63,569 | 5   | 75,549 | 5   | 87,540 | 5   | 99,530  | 5   | 111,521 |
| 1/4 | 4,145  | 1/4 | 16,143 | 1/4 | 28,132 | 1/4 | 39,859 | 1/4 | 51,843 | 1/4 | 63,818 | 1/4 | 75,798 | 1/4 | 87,790 | 1/4 | 99,780  | 1/4 | 111,771 |
| 1/2 | 4,395  | 1/2 | 16,393 | 1/2 | 28,379 | 1/2 | 40,108 | 1/2 | 52,093 | 1/2 | 64,067 | 1/2 | 76,048 | 1/2 | 88,039 | 1/2 | 100,030 | 1/2 | 112,021 |
| 3/4 | 4,646  | 3/4 | 16,643 | 3/4 | 28,627 | 3/4 | 40,358 | 3/4 | 52,343 | 3/4 | 64,316 | 3/4 | 76,298 | 3/4 | 88,289 | 3/4 | 100,279 | 3/4 | 112,271 |
| 6   | 4,896  | 6   | 16,892 | 6   | 28,874 | 6   | 40,608 | 6   | 52,593 | 6   | 64,565 | 6   | 76,548 | 6   | 88,539 | 6   | 100,529 | 6   | 112,520 |
| 1/4 | 5,146  | 1/4 | 17,142 | 1/4 | 29,117 | 1/4 | 40,857 | 1/4 | 52,842 | 1/4 | 64,815 | 1/4 | 76,798 | 1/4 | 88,789 | 1/4 | 100,779 | 1/4 | 112,770 |
| 1/2 | 5,396  | 1/2 | 17,392 | 1/2 | 29,360 | 1/2 | 41,107 | 1/2 | 53,092 | 1/2 | 65,064 | 1/2 | 77,047 | 1/2 | 89,039 | 1/2 | 101,029 | 1/2 | 113,020 |
| 3/4 | 5,647  | 3/4 | 17,642 | 3/4 | 29,603 | 3/4 | 41,357 | 3/4 | 53,342 | 3/4 | 65,313 | 3/4 | 77,297 | 3/4 | 89,288 | 3/4 | 101,279 | 3/4 | 113,270 |
| 7   | 5,897  | 7   | 17,892 | 7   | 29,847 | 7   | 41,606 | 7   | 53,591 | 7   | 65,562 | 7   | 77,547 | 7   | 89,538 | 7   | 101,528 | 7   | 113,520 |
| 1/4 | 6,147  | 1/4 | 18,142 | 1/4 | 30,090 | 1/4 | 41,856 | 1/4 | 53,841 | 1/4 | 65,811 | 1/4 | 77,797 | 1/4 | 89,788 | 1/4 | 101,778 | 1/4 | 113,769 |
| 1/2 | 6,397  | 1/2 | 18,391 | 1/2 | 30,333 | 1/2 | 42,106 | 1/2 | 54,091 | 1/2 | 66,061 | 1/2 | 78,047 | 1/2 | 90,038 | 1/2 | 102,028 | 1/2 | 114,019 |
| 3/4 | 6,647  | 3/4 | 18,641 | 3/4 | 30,576 | 3/4 | 42,355 | 3/4 | 54,340 | 3/4 | 66,310 | 3/4 | 78,297 | 3/4 | 90,288 | 3/4 | 102,278 | 3/4 | 114,269 |
| 8   | 6,897  | 8   | 18,891 | 8   | 30,819 | 8   | 42,605 | 8   | 54,590 | 8   | 66,559 | 8   | 78,546 | 8   | 90,537 | 8   | 102,528 | 8   | 114,519 |
| 1/4 | 7,147  | 1/4 | 19,141 | 1/4 | 31,062 | 1/4 | 42,855 | 1/4 | 54,840 | 1/4 | 66,808 | 1/4 | 78,796 | 1/4 | 90,787 | 1/4 | 102,778 | 1/4 | 114,769 |
| 1/2 | 7,397  | 1/2 | 19,391 | 1/2 | 31,306 | 1/2 | 43,104 | 1/2 | 55,089 | 1/2 | 67,058 | 1/2 | 79,046 | 1/2 | 91,037 | 1/2 | 103,027 | 1/2 | 115,018 |
| 3/4 | 7,647  | 3/4 | 19,641 | 3/4 | 31,549 | 3/4 | 43,354 | 3/4 | 55,339 | 3/4 | 67,307 | 3/4 | 79,296 | 3/4 | 91,287 | 3/4 | 103,277 | 3/4 | 115,268 |
| 9   | 7,897  | 9   | 19,890 | 9   | 31,792 | 9   | 43,604 | 9   | 55,589 | 9   | 67,556 | 9   | 79,546 | 9   | 91,537 | 9   | 103,527 | 9   | 115,518 |
| 1/4 | 8,147  | 1/4 | 20,140 | 1/4 | 32,035 | 1/4 | 43,853 | 1/4 | 55,838 | 1/4 | 67,805 | 1/4 | 79,795 | 1/4 | 91,786 | 1/4 | 103,777 | 1/4 | 115,768 |
| 1/2 | 8,397  | 1/2 | 20,390 | 1/2 | 32,278 | 1/2 | 44,103 | 1/2 | 56,088 | 1/2 | 68,055 | 1/2 | 80,045 | 1/2 | 92,036 | 1/2 | 104,027 | 1/2 | 116,018 |
| 3/4 | 8,647  | 3/4 | 20,640 | 3/4 | 32,521 | 3/4 | 44,353 | 3/4 | 56,338 | 3/4 | 68,304 | 3/4 | 80,295 | 3/4 | 92,286 | 3/4 | 104,276 | 3/4 | 116,268 |
| 10  | 8,897  | 10  | 20,890 | 10  | 32,764 | 10  | 44,603 | 10  | 56,587 | 10  | 68,554 | 10  | 80,545 | 10  | 92,536 | 10  | 104,526 | 10  | 116,517 |
| 1/4 | 9,147  | 1/4 | 21,139 | 1/4 | 33,008 | 1/4 | 44,852 | 1/4 | 56,837 | 1/4 | 68,804 | 1/4 | 80,795 | 1/4 | 92,786 | 1/4 | 104,776 | 1/4 | 116,767 |
| 1/2 | 9,397  | 1/2 | 21,389 | 1/2 | 33,251 | 1/2 | 45,102 | 1/2 | 57,087 | 1/2 | 69,053 | 1/2 | 81,045 | 1/2 | 93,035 | 1/2 | 105,026 | 1/2 | 117,017 |
| 3/4 | 9,647  | 3/4 | 21,639 | 3/4 | 33,494 | 3/4 | 45,352 | 3/4 | 57,337 | 3/4 | 69,303 | 3/4 | 81,294 | 3/4 | 93,285 | 3/4 | 105,276 | 3/4 | 117,267 |
| 11  | 9,897  | 11  | 21,889 | 11  | 33,737 | 11  | 45,601 | 11  | 57,586 | 11  | 69,553 | 11  | 81,544 | 11  | 93,535 | 11  | 105,526 | 11  | 117,517 |
| 1/4 | 10,147 | 1/4 | 22,139 | 1/4 | 33,980 | 1/4 | 45,851 | 1/4 | 57,836 | 1/4 | 69,803 | 1/4 | 81,794 | 1/4 | 93,785 | 1/4 | 105,775 | 1/4 | 117,768 |
| 1/2 | 10,397 | 1/2 | 22,389 | 1/2 | 34,223 | 1/2 | 46,101 | 1/2 | 58,085 | 1/2 | 70,053 | 1/2 | 82,044 | 1/2 | 94,035 | 1/2 | 106,025 | 1/2 | 118,018 |
| 3/4 | 10,647 | 3/4 | 22,638 | 3/4 | 34,466 | 3/4 | 46,350 | 3/4 | 58,335 | 3/4 | 70,302 | 3/4 | 82,294 | 3/4 | 94,284 | 3/4 | 106,275 | 3/4 | 118,268 |

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 1951"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04"

| 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   | 118,519 | 0   | 128,984 | 0   | 136,748 | 0   | 144,513 | 0   | 152,244 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 118,769 | 1/4 | 129,146 | 1/4 | 136,910 | 1/4 | 144,674 | 1/4 | 152,359 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,019 | 1/2 | 129,307 | 1/2 | 137,072 | 1/2 | 144,836 | 1/2 | 152,475 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,270 | 3/4 | 129,469 | 3/4 | 137,234 | 3/4 | 144,998 | 3/4 | 152,590 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 119,520 | 1   | 129,631 | 1   | 137,395 | 1   | 145,160 | 1   | 152,706 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 119,770 | 1/4 | 129,793 | 1/4 | 137,557 | 1/4 | 145,321 | 1/4 | 152,776 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,020 | 1/2 | 129,954 | 1/2 | 137,719 | 1/2 | 145,483 | 1/2 | 152,846 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,271 | 3/4 | 130,116 | 3/4 | 137,881 | 3/4 | 145,645 | 3/4 | 152,915 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 120,521 | 2   | 130,278 | 2   | 138,042 | 2   | 145,807 | 2   | 152,985 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 120,771 | 1/4 | 130,440 | 1/4 | 138,204 | 1/4 | 145,968 | 1/4 | 153,037 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,022 | 1/2 | 130,602 | 1/2 | 138,366 | 1/2 | 146,130 | 1/2 | 153,088 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,272 | 3/4 | 130,763 | 3/4 | 138,528 | 3/4 | 146,292 | 3/4 | 153,140 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 121,522 | 3   | 130,925 | 3   | 138,689 | 3   | 146,454 | 3   | 153,191 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 121,773 | 1/4 | 131,087 | 1/4 | 138,851 | 1/4 | 146,615 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,023 | 1/2 | 131,249 | 1/2 | 139,013 | 1/2 | 146,777 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,273 | 3/4 | 131,410 | 3/4 | 139,175 | 3/4 | 146,939 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 122,524 | 4   | 131,572 | 4   | 139,336 | 4   | 147,101 | 4   |         | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 122,774 | 1/4 | 131,734 | 1/4 | 139,498 | 1/4 | 147,262 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,024 | 1/2 | 131,896 | 1/2 | 139,660 | 1/2 | 147,424 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,275 | 3/4 | 132,057 | 3/4 | 139,822 | 3/4 | 147,586 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 123,525 | 5   | 132,219 | 5   | 139,983 | 5   | 147,748 | 5   |         | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 123,775 | 1/4 | 132,381 | 1/4 | 140,145 | 1/4 | 147,910 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 124,026 | 1/2 | 132,543 | 1/2 | 140,307 | 1/2 | 148,071 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,276 | 3/4 | 132,704 | 3/4 | 140,469 | 3/4 | 148,233 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 124,526 | 6   | 132,866 | 6   | 140,630 | 6   | 148,395 | 6   |         | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 124,776 | 1/4 | 133,028 | 1/4 | 140,792 | 1/4 | 148,557 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 125,027 | 1/2 | 133,190 | 1/2 | 140,954 | 1/2 | 148,718 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 125,277 | 3/4 | 133,351 | 3/4 | 141,116 | 3/4 | 148,880 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 125,527 | 7   | 133,513 | 7   | 141,277 | 7   | 149,042 | 7   |         | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 125,745 | 1/4 | 133,675 | 1/4 | 141,439 | 1/4 | 149,204 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 125,962 | 1/2 | 133,837 | 1/2 | 141,601 | 1/2 | 149,365 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 126,179 | 3/4 | 133,998 | 3/4 | 141,763 | 3/4 | 149,527 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 126,396 | 8   | 134,160 | 8   | 141,924 | 8   | 149,689 | 8   |         | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 126,558 | 1/4 | 134,322 | 1/4 | 142,086 | 1/4 | 149,851 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 126,719 | 1/2 | 134,484 | 1/2 | 142,248 | 1/2 | 150,012 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 126,881 | 3/4 | 134,645 | 3/4 | 142,410 | 3/4 | 150,174 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 127,043 | 9   | 134,807 | 9   | 142,572 | 9   | 150,336 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 127,205 | 1/4 | 134,969 | 1/4 | 142,733 | 1/4 | 150,497 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 127,366 | 1/2 | 135,131 | 1/2 | 142,895 | 1/2 | 150,659 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 127,528 | 3/4 | 135,292 | 3/4 | 143,057 | 3/4 | 150,821 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 127,690 | 10  | 135,454 | 10  | 143,219 | 10  | 150,982 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 127,852 | 1/4 | 135,616 | 1/4 | 143,380 | 1/4 | 151,143 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 128,013 | 1/2 | 135,778 | 1/2 | 143,542 | 1/2 | 151,304 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 128,175 | 3/4 | 135,939 | 3/4 | 143,704 | 3/4 | 151,465 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 128,337 | 11  | 136,101 | 11  | 143,866 | 11  | 151,626 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 128,499 | 1/4 | 136,263 | 1/4 | 144,027 | 1/4 | 151,781 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 128,660 | 1/2 | 136,425 | 1/2 | 144,189 | 1/2 | 151,935 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 128,822 | 3/4 | 136,587 | 3/4 | 144,351 | 3/4 | 152,089 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

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



# BARGE "IB 1951"

## 2 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   | 86     | 0   | 10,451 | 0   | 21,967 | 0   | 33,302 | 0   | 44,716 | 0   | 56,232 | 0   | 67,749 | 0   | 79,265 | 0   | 90,781  | 0   | 102,297 |
| 1/4 | 156    | 1/4 | 10,691 | 1/4 | 22,207 | 1/4 | 33,535 | 1/4 | 44,956 | 1/4 | 56,472 | 1/4 | 67,989 | 1/4 | 79,505 | 1/4 | 91,021  | 1/4 | 102,537 |
| 1/2 | 226    | 1/2 | 10,931 | 1/2 | 22,447 | 1/2 | 33,768 | 1/2 | 45,196 | 1/2 | 56,712 | 1/2 | 68,228 | 1/2 | 79,745 | 1/2 | 91,261  | 1/2 | 102,777 |
| 3/4 | 296    | 3/4 | 11,171 | 3/4 | 22,686 | 3/4 | 34,001 | 3/4 | 45,436 | 3/4 | 56,952 | 3/4 | 68,468 | 3/4 | 79,985 | 3/4 | 91,501  | 3/4 | 103,017 |
| 1   | 366    | 1   | 11,411 | 1   | 22,926 | 1   | 34,233 | 1   | 45,676 | 1   | 57,192 | 1   | 68,708 | 1   | 80,225 | 1   | 91,741  | 1   | 103,257 |
| 1/4 | 516    | 1/4 | 11,650 | 1/4 | 23,166 | 1/4 | 34,466 | 1/4 | 45,916 | 1/4 | 57,432 | 1/4 | 68,948 | 1/4 | 80,464 | 1/4 | 91,981  | 1/4 | 103,497 |
| 1/2 | 666    | 1/2 | 11,890 | 1/2 | 23,406 | 1/2 | 34,699 | 1/2 | 46,156 | 1/2 | 57,672 | 1/2 | 69,188 | 1/2 | 80,704 | 1/2 | 92,221  | 1/2 | 103,737 |
| 3/4 | 816    | 3/4 | 12,130 | 3/4 | 23,646 | 3/4 | 34,932 | 3/4 | 46,396 | 3/4 | 57,912 | 3/4 | 69,428 | 3/4 | 80,944 | 3/4 | 92,461  | 3/4 | 103,977 |
| 2   | 966    | 2   | 12,370 | 2   | 23,886 | 2   | 35,165 | 2   | 46,635 | 2   | 58,152 | 2   | 69,668 | 2   | 81,184 | 2   | 92,700  | 2   | 104,217 |
| 1/4 | 1,180  | 1/4 | 12,610 | 1/4 | 24,126 | 1/4 | 35,398 | 1/4 | 46,875 | 1/4 | 58,392 | 1/4 | 69,908 | 1/4 | 81,424 | 1/4 | 92,940  | 1/4 | 104,457 |
| 1/2 | 1,394  | 1/2 | 12,850 | 1/2 | 24,366 | 1/2 | 35,631 | 1/2 | 47,115 | 1/2 | 58,632 | 1/2 | 70,148 | 1/2 | 81,664 | 1/2 | 93,180  | 1/2 | 104,697 |
| 3/4 | 1,608  | 3/4 | 13,090 | 3/4 | 24,606 | 3/4 | 35,864 | 3/4 | 47,355 | 3/4 | 58,871 | 3/4 | 70,388 | 3/4 | 81,904 | 3/4 | 93,420  | 3/4 | 104,936 |
| 3   | 1,822  | 3   | 13,330 | 3   | 24,846 | 3   | 36,096 | 3   | 47,595 | 3   | 59,111 | 3   | 70,628 | 3   | 82,144 | 3   | 93,660  | 3   | 105,176 |
| 1/4 | 2,060  | 1/4 | 13,570 | 1/4 | 25,086 | 1/4 | 36,332 | 1/4 | 47,835 | 1/4 | 59,351 | 1/4 | 70,868 | 1/4 | 82,384 | 1/4 | 93,900  | 1/4 | 105,416 |
| 1/2 | 2,299  | 1/2 | 13,810 | 1/2 | 25,325 | 1/2 | 36,568 | 1/2 | 48,075 | 1/2 | 59,591 | 1/2 | 71,108 | 1/2 | 82,624 | 1/2 | 94,140  | 1/2 | 105,656 |
| 3/4 | 2,537  | 3/4 | 14,050 | 3/4 | 25,565 | 3/4 | 36,803 | 3/4 | 48,315 | 3/4 | 59,831 | 3/4 | 71,347 | 3/4 | 82,864 | 3/4 | 94,380  | 3/4 | 105,896 |
| 4   | 2,776  | 4   | 14,289 | 4   | 25,805 | 4   | 37,039 | 4   | 48,555 | 4   | 60,071 | 4   | 71,587 | 4   | 83,104 | 4   | 94,620  | 4   | 106,136 |
| 1/4 | 3,015  | 1/4 | 14,529 | 1/4 | 26,045 | 1/4 | 37,279 | 1/4 | 48,795 | 1/4 | 60,311 | 1/4 | 71,827 | 1/4 | 83,344 | 1/4 | 94,860  | 1/4 | 106,376 |
| 1/2 | 3,255  | 1/2 | 14,769 | 1/2 | 26,285 | 1/2 | 37,518 | 1/2 | 49,035 | 1/2 | 60,551 | 1/2 | 72,067 | 1/2 | 83,583 | 1/2 | 95,100  | 1/2 | 106,616 |
| 3/4 | 3,494  | 3/4 | 15,009 | 3/4 | 26,525 | 3/4 | 37,758 | 3/4 | 49,275 | 3/4 | 60,791 | 3/4 | 72,307 | 3/4 | 83,823 | 3/4 | 95,340  | 3/4 | 106,856 |
| 5   | 3,734  | 5   | 15,249 | 5   | 26,765 | 5   | 37,998 | 5   | 49,515 | 5   | 61,031 | 5   | 72,547 | 5   | 84,063 | 5   | 95,580  | 5   | 107,096 |
| 1/4 | 3,974  | 1/4 | 15,489 | 1/4 | 27,002 | 1/4 | 38,238 | 1/4 | 49,754 | 1/4 | 61,271 | 1/4 | 72,787 | 1/4 | 84,303 | 1/4 | 95,819  | 1/4 | 107,336 |
| 1/2 | 4,213  | 1/2 | 15,729 | 1/2 | 27,239 | 1/2 | 38,478 | 1/2 | 49,994 | 1/2 | 61,511 | 1/2 | 73,027 | 1/2 | 84,543 | 1/2 | 96,059  | 1/2 | 107,576 |
| 3/4 | 4,453  | 3/4 | 15,969 | 3/4 | 27,477 | 3/4 | 38,718 | 3/4 | 50,234 | 3/4 | 61,751 | 3/4 | 73,267 | 3/4 | 84,783 | 3/4 | 96,299  | 3/4 | 107,816 |
| 6   | 4,693  | 6   | 16,209 | 6   | 27,714 | 6   | 38,958 | 6   | 50,474 | 6   | 61,990 | 6   | 73,507 | 6   | 85,023 | 6   | 96,539  | 6   | 108,055 |
| 1/4 | 4,933  | 1/4 | 16,449 | 1/4 | 27,947 | 1/4 | 39,198 | 1/4 | 50,714 | 1/4 | 62,230 | 1/4 | 73,747 | 1/4 | 85,263 | 1/4 | 96,779  | 1/4 | 108,295 |
| 1/2 | 5,173  | 1/2 | 16,689 | 1/2 | 28,180 | 1/2 | 39,438 | 1/2 | 50,954 | 1/2 | 62,470 | 1/2 | 73,987 | 1/2 | 85,503 | 1/2 | 97,019  | 1/2 | 108,535 |
| 3/4 | 5,413  | 3/4 | 16,929 | 3/4 | 28,412 | 3/4 | 39,678 | 3/4 | 51,194 | 3/4 | 62,710 | 3/4 | 74,226 | 3/4 | 85,743 | 3/4 | 97,259  | 3/4 | 108,775 |
| 7   | 5,653  | 7   | 17,168 | 7   | 28,645 | 7   | 39,918 | 7   | 51,434 | 7   | 62,950 | 7   | 74,466 | 7   | 85,983 | 7   | 97,499  | 7   | 109,015 |
| 1/4 | 5,893  | 1/4 | 17,408 | 1/4 | 28,878 | 1/4 | 40,158 | 1/4 | 51,674 | 1/4 | 63,190 | 1/4 | 74,706 | 1/4 | 86,223 | 1/4 | 97,739  | 1/4 | 109,255 |
| 1/2 | 6,133  | 1/2 | 17,648 | 1/2 | 29,111 | 1/2 | 40,398 | 1/2 | 51,914 | 1/2 | 63,430 | 1/2 | 74,946 | 1/2 | 86,462 | 1/2 | 97,979  | 1/2 | 109,495 |
| 3/4 | 6,372  | 3/4 | 17,888 | 3/4 | 29,344 | 3/4 | 40,637 | 3/4 | 52,154 | 3/4 | 63,670 | 3/4 | 75,186 | 3/4 | 86,702 | 3/4 | 98,219  | 3/4 | 109,735 |
| 8   | 6,612  | 8   | 18,128 | 8   | 29,577 | 8   | 40,877 | 8   | 52,394 | 8   | 63,910 | 8   | 75,426 | 8   | 86,942 | 8   | 98,459  | 8   | 109,975 |
| 1/4 | 6,852  | 1/4 | 18,368 | 1/4 | 29,810 | 1/4 | 41,117 | 1/4 | 52,634 | 1/4 | 64,150 | 1/4 | 75,666 | 1/4 | 87,182 | 1/4 | 98,698  | 1/4 | 110,215 |
| 1/2 | 7,092  | 1/2 | 18,608 | 1/2 | 30,042 | 1/2 | 41,357 | 1/2 | 52,873 | 1/2 | 64,390 | 1/2 | 75,906 | 1/2 | 87,422 | 1/2 | 98,938  | 1/2 | 110,455 |
| 3/4 | 7,332  | 3/4 | 18,848 | 3/4 | 30,275 | 3/4 | 41,597 | 3/4 | 53,113 | 3/4 | 64,630 | 3/4 | 76,146 | 3/4 | 87,662 | 3/4 | 99,178  | 3/4 | 110,695 |
| 9   | 7,572  | 9   | 19,088 | 9   | 30,508 | 9   | 41,837 | 9   | 53,353 | 9   | 64,870 | 9   | 76,386 | 9   | 87,902 | 9   | 99,418  | 9   | 110,935 |
| 1/4 | 7,812  | 1/4 | 19,328 | 1/4 | 30,741 | 1/4 | 42,077 | 1/4 | 53,593 | 1/4 | 65,109 | 1/4 | 76,626 | 1/4 | 88,142 | 1/4 | 99,658  | 1/4 | 111,174 |
| 1/2 | 8,052  | 1/2 | 19,568 | 1/2 | 30,974 | 1/2 | 42,317 | 1/2 | 53,833 | 1/2 | 65,349 | 1/2 | 76,866 | 1/2 | 88,382 | 1/2 | 99,898  | 1/2 | 111,414 |
| 3/4 | 8,292  | 3/4 | 19,807 | 3/4 | 31,207 | 3/4 | 42,557 | 3/4 | 54,073 | 3/4 | 65,589 | 3/4 | 77,106 | 3/4 | 88,622 | 3/4 | 100,138 | 3/4 | 111,654 |
| 10  | 8,532  | 10  | 20,047 | 10  | 31,439 | 10  | 42,797 | 10  | 54,313 | 10  | 65,829 | 10  | 77,345 | 10  | 88,862 | 10  | 100,378 | 10  | 111,894 |
| 1/4 | 8,771  | 1/4 | 20,287 | 1/4 | 31,672 | 1/4 | 43,037 | 1/4 | 54,553 | 1/4 | 66,069 | 1/4 | 77,585 | 1/4 | 89,102 | 1/4 | 100,618 | 1/4 | 112,134 |
| 1/2 | 9,011  | 1/2 | 20,527 | 1/2 | 31,905 | 1/2 | 43,277 | 1/2 | 54,793 | 1/2 | 66,309 | 1/2 | 77,825 | 1/2 | 89,342 | 1/2 | 100,858 | 1/2 | 112,374 |
| 3/4 | 9,251  | 3/4 | 20,767 | 3/4 | 32,138 | 3/4 | 43,517 | 3/4 | 55,033 | 3/4 | 66,549 | 3/4 | 78,065 | 3/4 | 89,581 | 3/4 | 101,098 | 3/4 | 112,614 |
| 11  | 9,491  | 11  | 21,007 | 11  | 32,371 | 11  | 43,756 | 11  | 55,273 | 11  | 66,789 | 11  | 78,305 | 11  | 89,821 | 11  | 101,338 | 11  | 112,854 |
| 1/4 | 9,731  | 1/4 | 21,247 | 1/4 | 32,604 | 1/4 | 43,996 | 1/4 | 55,513 | 1/4 | 67,029 | 1/4 | 78,545 | 1/4 | 90,061 | 1/4 | 101,578 | 1/4 | 113,094 |
| 1/2 | 9,971  | 1/2 | 21,487 | 1/2 | 32,836 | 1/2 | 44,236 | 1/2 | 55,753 | 1/2 | 67,269 | 1/2 | 78,785 | 1/2 | 90,301 | 1/2 | 101,817 | 1/2 | 113,334 |
| 3/4 | 10,211 | 3/4 | 21,727 | 3/4 | 33,069 | 3/4 | 44,476 | 3/4 | 55,992 | 3/4 | 67,509 | 3/4 | 79,025 | 3/4 | 90,541 | 3/4 | 102,057 | 3/4 | 113,574 |

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



# BARGE "IB 1951"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| 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   | 113,814 | 0   | 125,330 | 0   | 136,846 | 0   | 148,362 | 0   | 159,847 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 114,053 | 1/4 | 125,570 | 1/4 | 137,086 | 1/4 | 148,602 | 1/4 | 160,042 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 114,293 | 1/2 | 125,810 | 1/2 | 137,326 | 1/2 | 148,842 | 1/2 | 160,238 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 114,533 | 3/4 | 126,050 | 3/4 | 137,566 | 3/4 | 149,082 | 3/4 | 160,434 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 114,773 | 1   | 126,289 | 1   | 137,806 | 1   | 149,322 | 1   | 160,629 | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 115,013 | 1/4 | 126,529 | 1/4 | 138,046 | 1/4 | 149,562 | 1/4 | 160,749 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 115,253 | 1/2 | 126,769 | 1/2 | 138,286 | 1/2 | 149,802 | 1/2 | 160,869 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 115,493 | 3/4 | 127,009 | 3/4 | 138,526 | 3/4 | 150,042 | 3/4 | 160,989 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 115,733 | 2   | 127,249 | 2   | 138,765 | 2   | 150,282 | 2   | 161,109 | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 115,973 | 1/4 | 127,489 | 1/4 | 139,005 | 1/4 | 150,522 | 1/4 | 161,159 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 116,213 | 1/2 | 127,729 | 1/2 | 139,245 | 1/2 | 150,762 | 1/2 | 161,208 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 116,453 | 3/4 | 127,969 | 3/4 | 139,485 | 3/4 | 151,001 | 3/4 | 161,257 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 116,693 | 3   | 128,209 | 3   | 139,725 | 3   | 151,241 | 3   | 161,307 | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 116,933 | 1/4 | 128,449 | 1/4 | 139,965 | 1/4 | 151,481 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 117,172 | 1/2 | 128,689 | 1/2 | 140,205 | 1/2 | 151,721 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 117,412 | 3/4 | 128,929 | 3/4 | 140,445 | 3/4 | 151,961 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 117,652 | 4   | 129,169 | 4   | 140,685 | 4   | 152,201 | 4   | 4       | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 117,892 | 1/4 | 129,408 | 1/4 | 140,925 | 1/4 | 152,441 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 118,132 | 1/2 | 129,648 | 1/2 | 141,165 | 1/2 | 152,681 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 118,372 | 3/4 | 129,888 | 3/4 | 141,405 | 3/4 | 152,921 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 118,612 | 5   | 130,128 | 5   | 141,644 | 5   | 153,161 | 5   | 5       | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 118,852 | 1/4 | 130,368 | 1/4 | 141,884 | 1/4 | 153,401 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,092 | 1/2 | 130,608 | 1/2 | 142,124 | 1/2 | 153,641 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,332 | 3/4 | 130,848 | 3/4 | 142,364 | 3/4 | 153,880 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 119,572 | 6   | 131,088 | 6   | 142,604 | 6   | 154,120 | 6   | 6       | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 119,812 | 1/4 | 131,328 | 1/4 | 142,844 | 1/4 | 154,360 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,052 | 1/2 | 131,568 | 1/2 | 143,084 | 1/2 | 154,600 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,291 | 3/4 | 131,808 | 3/4 | 143,324 | 3/4 | 154,840 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 120,531 | 7   | 132,048 | 7   | 143,564 | 7   | 155,080 | 7   | 7       | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 120,771 | 1/4 | 132,288 | 1/4 | 143,804 | 1/4 | 155,320 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,011 | 1/2 | 132,527 | 1/2 | 144,044 | 1/2 | 155,560 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,251 | 3/4 | 132,767 | 3/4 | 144,284 | 3/4 | 155,800 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 121,491 | 8   | 133,007 | 8   | 144,524 | 8   | 156,040 | 8   | 8       | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 121,731 | 1/4 | 133,247 | 1/4 | 144,763 | 1/4 | 156,280 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,971 | 1/2 | 133,487 | 1/2 | 145,003 | 1/2 | 156,520 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,211 | 3/4 | 133,727 | 3/4 | 145,243 | 3/4 | 156,760 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 122,451 | 9   | 133,967 | 9   | 145,483 | 9   | 156,999 | 9   | 9       | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 122,691 | 1/4 | 134,207 | 1/4 | 145,723 | 1/4 | 157,239 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,931 | 1/2 | 134,447 | 1/2 | 145,963 | 1/2 | 157,479 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,171 | 3/4 | 134,687 | 3/4 | 146,203 | 3/4 | 157,719 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 123,410 | 10  | 134,927 | 10  | 146,443 | 10  | 157,959 | 10  | 10      | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 123,650 | 1/4 | 135,167 | 1/4 | 146,683 | 1/4 | 158,198 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,890 | 1/2 | 135,407 | 1/2 | 146,923 | 1/2 | 158,437 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,130 | 3/4 | 135,646 | 3/4 | 147,163 | 3/4 | 158,676 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 124,370 | 11  | 135,886 | 11  | 147,403 | 11  | 158,915 | 11  | 11      | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 124,610 | 1/4 | 136,126 | 1/4 | 147,643 | 1/4 | 159,148 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 124,850 | 1/2 | 136,366 | 1/2 | 147,882 | 1/2 | 159,381 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 125,090 | 3/4 | 136,606 | 3/4 | 148,122 | 3/4 | 159,614 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

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



# BARGE "IB 1951"

## 3 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   | 86     | 0   | 10,347 | 0   | 21,748 | 0   | 33,138 | 0   | 44,533 | 0   | 55,935 | 0   | 67,336 | 0   | 78,738 | 0   | 90,139  | 0   | 101,541 |
| 1/4 | 155    | 1/4 | 10,584 | 1/4 | 21,986 | 1/4 | 33,375 | 1/4 | 44,771 | 1/4 | 56,172 | 1/4 | 67,574 | 1/4 | 78,975 | 1/4 | 90,377  | 1/4 | 101,778 |
| 1/2 | 224    | 1/2 | 10,822 | 1/2 | 22,223 | 1/2 | 33,612 | 1/2 | 45,008 | 1/2 | 56,410 | 1/2 | 67,811 | 1/2 | 79,213 | 1/2 | 90,614  | 1/2 | 102,016 |
| 3/4 | 293    | 3/4 | 11,060 | 3/4 | 22,461 | 3/4 | 33,849 | 3/4 | 45,246 | 3/4 | 56,647 | 3/4 | 68,049 | 3/4 | 79,450 | 3/4 | 90,852  | 3/4 | 102,253 |
| 1   | 363    | 1   | 11,297 | 1   | 22,698 | 1   | 34,086 | 1   | 45,483 | 1   | 56,885 | 1   | 68,286 | 1   | 79,688 | 1   | 91,089  | 1   | 102,491 |
| 1/4 | 511    | 1/4 | 11,535 | 1/4 | 22,936 | 1/4 | 34,323 | 1/4 | 45,721 | 1/4 | 57,122 | 1/4 | 68,524 | 1/4 | 79,925 | 1/4 | 91,327  | 1/4 | 102,728 |
| 1/2 | 660    | 1/2 | 11,772 | 1/2 | 23,173 | 1/2 | 34,560 | 1/2 | 45,958 | 1/2 | 57,360 | 1/2 | 68,761 | 1/2 | 80,163 | 1/2 | 91,564  | 1/2 | 102,966 |
| 3/4 | 808    | 3/4 | 12,010 | 3/4 | 23,411 | 3/4 | 34,797 | 3/4 | 46,196 | 3/4 | 57,597 | 3/4 | 68,999 | 3/4 | 80,400 | 3/4 | 91,802  | 3/4 | 103,203 |
| 2   | 956    | 2   | 12,247 | 2   | 23,648 | 2   | 35,034 | 2   | 46,433 | 2   | 57,835 | 2   | 69,236 | 2   | 80,638 | 2   | 92,039  | 2   | 103,441 |
| 1/4 | 1,168  | 1/4 | 12,485 | 1/4 | 23,886 | 1/4 | 35,272 | 1/4 | 46,671 | 1/4 | 58,072 | 1/4 | 69,474 | 1/4 | 80,875 | 1/4 | 92,277  | 1/4 | 103,678 |
| 1/2 | 1,380  | 1/2 | 12,722 | 1/2 | 24,123 | 1/2 | 35,509 | 1/2 | 46,908 | 1/2 | 58,310 | 1/2 | 69,711 | 1/2 | 81,113 | 1/2 | 92,514  | 1/2 | 103,916 |
| 3/4 | 1,592  | 3/4 | 12,960 | 3/4 | 24,361 | 3/4 | 35,746 | 3/4 | 47,146 | 3/4 | 58,548 | 3/4 | 69,949 | 3/4 | 81,351 | 3/4 | 92,752  | 3/4 | 104,154 |
| 3   | 1,804  | 3   | 13,197 | 3   | 24,598 | 3   | 35,983 | 3   | 47,384 | 3   | 58,785 | 3   | 70,187 | 3   | 81,588 | 3   | 92,990  | 3   | 104,391 |
| 1/4 | 2,040  | 1/4 | 13,435 | 1/4 | 24,836 | 1/4 | 36,220 | 1/4 | 47,621 | 1/4 | 59,023 | 1/4 | 70,424 | 1/4 | 81,826 | 1/4 | 93,227  | 1/4 | 104,629 |
| 1/2 | 2,276  | 1/2 | 13,672 | 1/2 | 25,073 | 1/2 | 36,458 | 1/2 | 47,859 | 1/2 | 59,260 | 1/2 | 70,662 | 1/2 | 82,063 | 1/2 | 93,465  | 1/2 | 104,866 |
| 3/4 | 2,512  | 3/4 | 13,910 | 3/4 | 25,311 | 3/4 | 36,695 | 3/4 | 48,096 | 3/4 | 59,498 | 3/4 | 70,899 | 3/4 | 82,301 | 3/4 | 93,702  | 3/4 | 105,104 |
| 4   | 2,748  | 4   | 14,147 | 4   | 25,548 | 4   | 36,932 | 4   | 48,334 | 4   | 59,735 | 4   | 71,137 | 4   | 82,538 | 4   | 93,940  | 4   | 105,341 |
| 1/4 | 2,985  | 1/4 | 14,385 | 1/4 | 25,786 | 1/4 | 37,170 | 1/4 | 48,571 | 1/4 | 59,973 | 1/4 | 71,374 | 1/4 | 82,776 | 1/4 | 94,177  | 1/4 | 105,579 |
| 1/2 | 3,222  | 1/2 | 14,622 | 1/2 | 26,023 | 1/2 | 37,407 | 1/2 | 48,809 | 1/2 | 60,210 | 1/2 | 71,612 | 1/2 | 83,013 | 1/2 | 94,415  | 1/2 | 105,816 |
| 3/4 | 3,460  | 3/4 | 14,860 | 3/4 | 26,261 | 3/4 | 37,645 | 3/4 | 49,046 | 3/4 | 60,448 | 3/4 | 71,849 | 3/4 | 83,251 | 3/4 | 94,652  | 3/4 | 106,054 |
| 5   | 3,697  | 5   | 15,097 | 5   | 26,498 | 5   | 37,882 | 5   | 49,284 | 5   | 60,685 | 5   | 72,087 | 5   | 83,488 | 5   | 94,890  | 5   | 106,291 |
| 1/4 | 3,934  | 1/4 | 15,335 | 1/4 | 26,736 | 1/4 | 38,120 | 1/4 | 49,521 | 1/4 | 60,923 | 1/4 | 72,324 | 1/4 | 83,726 | 1/4 | 95,127  | 1/4 | 106,529 |
| 1/2 | 4,172  | 1/2 | 15,572 | 1/2 | 26,973 | 1/2 | 38,357 | 1/2 | 49,759 | 1/2 | 61,160 | 1/2 | 72,562 | 1/2 | 83,963 | 1/2 | 95,365  | 1/2 | 106,766 |
| 3/4 | 4,409  | 3/4 | 15,810 | 3/4 | 27,211 | 3/4 | 38,595 | 3/4 | 49,996 | 3/4 | 61,398 | 3/4 | 72,799 | 3/4 | 84,201 | 3/4 | 95,602  | 3/4 | 107,004 |
| 6   | 4,647  | 6   | 16,047 | 6   | 27,448 | 6   | 38,832 | 6   | 50,234 | 6   | 61,635 | 6   | 73,037 | 6   | 84,438 | 6   | 95,840  | 6   | 107,241 |
| 1/4 | 4,884  | 1/4 | 16,285 | 1/4 | 27,685 | 1/4 | 39,070 | 1/4 | 50,471 | 1/4 | 61,873 | 1/4 | 73,274 | 1/4 | 84,676 | 1/4 | 96,077  | 1/4 | 107,479 |
| 1/2 | 5,122  | 1/2 | 16,523 | 1/2 | 27,922 | 1/2 | 39,307 | 1/2 | 50,709 | 1/2 | 62,110 | 1/2 | 73,512 | 1/2 | 84,913 | 1/2 | 96,315  | 1/2 | 107,716 |
| 3/4 | 5,359  | 3/4 | 16,760 | 3/4 | 28,159 | 3/4 | 39,545 | 3/4 | 50,947 | 3/4 | 62,348 | 3/4 | 73,750 | 3/4 | 85,151 | 3/4 | 96,553  | 3/4 | 107,954 |
| 7   | 5,597  | 7   | 16,998 | 7   | 28,396 | 7   | 39,783 | 7   | 51,184 | 7   | 62,586 | 7   | 73,987 | 7   | 85,389 | 7   | 96,790  | 7   | 108,192 |
| 1/4 | 5,834  | 1/4 | 17,235 | 1/4 | 28,633 | 1/4 | 40,020 | 1/4 | 51,422 | 1/4 | 62,823 | 1/4 | 74,225 | 1/4 | 85,626 | 1/4 | 97,028  | 1/4 | 108,429 |
| 1/2 | 6,072  | 1/2 | 17,473 | 1/2 | 28,870 | 1/2 | 40,258 | 1/2 | 51,659 | 1/2 | 63,061 | 1/2 | 74,462 | 1/2 | 85,864 | 1/2 | 97,265  | 1/2 | 108,667 |
| 3/4 | 6,309  | 3/4 | 17,710 | 3/4 | 29,107 | 3/4 | 40,495 | 3/4 | 51,897 | 3/4 | 63,298 | 3/4 | 74,700 | 3/4 | 86,101 | 3/4 | 97,503  | 3/4 | 108,904 |
| 8   | 6,547  | 8   | 17,948 | 8   | 29,345 | 8   | 40,733 | 8   | 52,134 | 8   | 63,536 | 8   | 74,937 | 8   | 86,339 | 8   | 97,740  | 8   | 109,142 |
| 1/4 | 6,784  | 1/4 | 18,185 | 1/4 | 29,582 | 1/4 | 40,970 | 1/4 | 52,372 | 1/4 | 63,773 | 1/4 | 75,175 | 1/4 | 86,576 | 1/4 | 97,978  | 1/4 | 109,379 |
| 1/2 | 7,022  | 1/2 | 18,423 | 1/2 | 29,819 | 1/2 | 41,208 | 1/2 | 52,609 | 1/2 | 64,011 | 1/2 | 75,412 | 1/2 | 86,814 | 1/2 | 98,215  | 1/2 | 109,617 |
| 3/4 | 7,259  | 3/4 | 18,660 | 3/4 | 30,056 | 3/4 | 41,445 | 3/4 | 52,847 | 3/4 | 64,248 | 3/4 | 75,650 | 3/4 | 87,051 | 3/4 | 98,453  | 3/4 | 109,854 |
| 9   | 7,497  | 9   | 18,898 | 9   | 30,293 | 9   | 41,683 | 9   | 53,084 | 9   | 64,486 | 9   | 75,887 | 9   | 87,289 | 9   | 98,690  | 9   | 110,092 |
| 1/4 | 7,734  | 1/4 | 19,135 | 1/4 | 30,530 | 1/4 | 41,920 | 1/4 | 53,322 | 1/4 | 64,723 | 1/4 | 76,125 | 1/4 | 87,526 | 1/4 | 98,928  | 1/4 | 110,329 |
| 1/2 | 7,972  | 1/2 | 19,373 | 1/2 | 30,767 | 1/2 | 42,158 | 1/2 | 53,559 | 1/2 | 64,961 | 1/2 | 76,362 | 1/2 | 87,764 | 1/2 | 99,165  | 1/2 | 110,567 |
| 3/4 | 8,209  | 3/4 | 19,610 | 3/4 | 31,004 | 3/4 | 42,395 | 3/4 | 53,797 | 3/4 | 65,198 | 3/4 | 76,600 | 3/4 | 88,001 | 3/4 | 99,403  | 3/4 | 110,804 |
| 10  | 8,447  | 10  | 19,848 | 10  | 31,241 | 10  | 42,633 | 10  | 54,034 | 10  | 65,436 | 10  | 76,837 | 10  | 88,239 | 10  | 99,640  | 10  | 111,042 |
| 1/4 | 8,684  | 1/4 | 20,085 | 1/4 | 31,478 | 1/4 | 42,870 | 1/4 | 54,272 | 1/4 | 65,673 | 1/4 | 77,075 | 1/4 | 88,476 | 1/4 | 99,878  | 1/4 | 111,279 |
| 1/2 | 8,922  | 1/2 | 20,323 | 1/2 | 31,715 | 1/2 | 43,108 | 1/2 | 54,509 | 1/2 | 65,911 | 1/2 | 77,312 | 1/2 | 88,714 | 1/2 | 100,115 | 1/2 | 111,517 |
| 3/4 | 9,159  | 3/4 | 20,560 | 3/4 | 31,952 | 3/4 | 43,345 | 3/4 | 54,747 | 3/4 | 66,149 | 3/4 | 77,550 | 3/4 | 88,952 | 3/4 | 100,353 | 3/4 | 111,755 |
| 11  | 9,397  | 11  | 20,798 | 11  | 32,189 | 11  | 43,583 | 11  | 54,985 | 11  | 66,386 | 11  | 77,788 | 11  | 89,189 | 11  | 100,591 | 11  | 111,992 |
| 1/4 | 9,634  | 1/4 | 21,035 | 1/4 | 32,427 | 1/4 | 43,821 | 1/4 | 55,222 | 1/4 | 66,624 | 1/4 | 78,025 | 1/4 | 89,427 | 1/4 | 100,828 | 1/4 | 112,230 |
| 1/2 | 9,872  | 1/2 | 21,273 | 1/2 | 32,664 | 1/2 | 44,058 | 1/2 | 55,460 | 1/2 | 66,861 | 1/2 | 78,263 | 1/2 | 89,664 | 1/2 | 101,066 | 1/2 | 112,467 |
| 3/4 | 10,109 | 3/4 | 21,511 | 3/4 | 32,901 | 3/4 | 44,296 | 3/4 | 55,697 | 3/4 | 67,099 | 3/4 | 78,500 | 3/4 | 89,902 | 3/4 | 101,303 | 3/4 | 112,705 |

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



# BARGE "IB 1951"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| 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   | 112,942 | 0   | 124,344 | 0   | 135,745 | 0   | 147,147 | 0   | 158,517 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 113,180 | 1/4 | 124,581 | 1/4 | 135,983 | 1/4 | 147,384 | 1/4 | 158,710 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 113,417 | 1/2 | 124,819 | 1/2 | 136,220 | 1/2 | 147,622 | 1/2 | 158,904 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 113,655 | 3/4 | 125,056 | 3/4 | 136,458 | 3/4 | 147,859 | 3/4 | 159,098 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 113,892 | 1   | 125,294 | 1   | 136,695 | 1   | 148,097 | 1   | 159,292 | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 114,130 | 1/4 | 125,531 | 1/4 | 136,933 | 1/4 | 148,334 | 1/4 | 159,410 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 114,367 | 1/2 | 125,769 | 1/2 | 137,170 | 1/2 | 148,572 | 1/2 | 159,529 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 114,605 | 3/4 | 126,006 | 3/4 | 137,408 | 3/4 | 148,809 | 3/4 | 159,648 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 114,842 | 2   | 126,244 | 2   | 137,645 | 2   | 149,047 | 2   | 159,767 | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 115,080 | 1/4 | 126,481 | 1/4 | 137,883 | 1/4 | 149,284 | 1/4 | 159,815 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 115,317 | 1/2 | 126,719 | 1/2 | 138,120 | 1/2 | 149,522 | 1/2 | 159,864 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 115,555 | 3/4 | 126,957 | 3/4 | 138,358 | 3/4 | 149,760 | 3/4 | 159,913 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 115,793 | 3   | 127,194 | 3   | 138,596 | 3   | 149,997 | 3   | 159,962 | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 116,030 | 1/4 | 127,432 | 1/4 | 138,833 | 1/4 | 150,235 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 116,268 | 1/2 | 127,669 | 1/2 | 139,071 | 1/2 | 150,472 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 116,505 | 3/4 | 127,907 | 3/4 | 139,308 | 3/4 | 150,710 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 116,743 | 4   | 128,144 | 4   | 139,546 | 4   | 150,947 | 4   | 150,947 | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 116,980 | 1/4 | 128,382 | 1/4 | 139,783 | 1/4 | 151,185 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 117,218 | 1/2 | 128,619 | 1/2 | 140,021 | 1/2 | 151,422 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 117,455 | 3/4 | 128,857 | 3/4 | 140,258 | 3/4 | 151,660 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 117,693 | 5   | 129,094 | 5   | 140,496 | 5   | 151,897 | 5   | 151,897 | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 117,930 | 1/4 | 129,332 | 1/4 | 140,733 | 1/4 | 152,135 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 118,168 | 1/2 | 129,569 | 1/2 | 140,971 | 1/2 | 152,372 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 118,405 | 3/4 | 129,807 | 3/4 | 141,208 | 3/4 | 152,610 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 118,643 | 6   | 130,044 | 6   | 141,446 | 6   | 152,847 | 6   | 152,847 | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 118,880 | 1/4 | 130,282 | 1/4 | 141,683 | 1/4 | 153,085 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,118 | 1/2 | 130,519 | 1/2 | 141,921 | 1/2 | 153,322 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,356 | 3/4 | 130,757 | 3/4 | 142,159 | 3/4 | 153,560 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 119,593 | 7   | 130,995 | 7   | 142,396 | 7   | 153,798 | 7   | 153,798 | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 119,831 | 1/4 | 131,232 | 1/4 | 142,634 | 1/4 | 154,035 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,068 | 1/2 | 131,470 | 1/2 | 142,871 | 1/2 | 154,273 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,306 | 3/4 | 131,707 | 3/4 | 143,109 | 3/4 | 154,510 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 120,543 | 8   | 131,945 | 8   | 143,346 | 8   | 154,748 | 8   | 154,748 | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 120,781 | 1/4 | 132,182 | 1/4 | 143,584 | 1/4 | 154,985 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,018 | 1/2 | 132,420 | 1/2 | 143,821 | 1/2 | 155,223 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,256 | 3/4 | 132,657 | 3/4 | 144,059 | 3/4 | 155,460 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 121,493 | 9   | 132,895 | 9   | 144,296 | 9   | 155,698 | 9   | 155,698 | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 121,731 | 1/4 | 133,132 | 1/4 | 144,534 | 1/4 | 155,935 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,968 | 1/2 | 133,370 | 1/2 | 144,771 | 1/2 | 156,173 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,206 | 3/4 | 133,607 | 3/4 | 145,009 | 3/4 | 156,410 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 122,443 | 10  | 133,845 | 10  | 145,246 | 10  | 156,647 | 10  | 156,647 | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 122,681 | 1/4 | 134,082 | 1/4 | 145,484 | 1/4 | 156,884 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,918 | 1/2 | 134,320 | 1/2 | 145,721 | 1/2 | 157,121 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,156 | 3/4 | 134,558 | 3/4 | 145,959 | 3/4 | 157,358 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 123,394 | 11  | 134,795 | 11  | 146,197 | 11  | 157,595 | 11  | 157,595 | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 123,631 | 1/4 | 135,033 | 1/4 | 146,434 | 1/4 | 157,825 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,869 | 1/2 | 135,270 | 1/2 | 146,672 | 1/2 | 158,056 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,106 | 3/4 | 135,508 | 3/4 | 146,909 | 3/4 | 158,286 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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