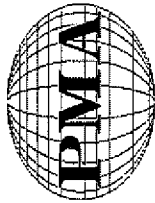


Galloway



# BARGE "IB 1308"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned} \text{FWD. DRAFT} &= 2'-00'' \\ \text{AFT DRAFT} &= 4'-00'' \\ \text{DIFF.} &= 2'-00'' \quad (\text{DOWN BY STERN}) \end{aligned}$$

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

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 4, 2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588

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# BARGE "IB 1308"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| 0 FT. |       | 1 FT. |        | 2 FT. |        | 3 FT. |        | 4 FT. |        | 5 FT. |        | 6 FT. |        | 7 FT. |        | 8 FT. |         | 9 FT. |         |
|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|-------|---------|
| IN    | OUT   | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT     | IN    | OUT     |
| 0     | 230   | 0     | 11,103 | 0     | 23,022 | 0     | 34,728 | 0     | 46,498 | 0     | 58,395 | 0     | 70,292 | 0     | 82,150 | 0     | 94,052  | 0     | 105,954 |
| 1/4   | 305   | 1/4   | 11,351 | 1/4   | 23,270 | 1/4   | 34,967 | 1/4   | 46,746 | 1/4   | 58,643 | 1/4   | 70,539 | 1/4   | 82,398 | 1/4   | 94,300  | 1/4   | 106,202 |
| 1/2   | 379   | 1/2   | 11,600 | 1/2   | 23,518 | 1/2   | 35,206 | 1/2   | 46,993 | 1/2   | 58,890 | 1/2   | 70,787 | 1/2   | 82,646 | 1/2   | 94,548  | 1/2   | 106,450 |
| 3/4   | 454   | 3/4   | 11,848 | 3/4   | 23,766 | 3/4   | 35,446 | 3/4   | 47,241 | 3/4   | 59,138 | 3/4   | 71,035 | 3/4   | 82,894 | 3/4   | 94,796  | 3/4   | 106,698 |
| 1     | 528   | 1     | 12,097 | 1     | 24,014 | 1     | 35,685 | 1     | 47,489 | 1     | 59,386 | 1     | 71,283 | 1     | 83,142 | 1     | 95,044  | 1     | 106,946 |
| 1/4   | 603   | 1/4   | 12,345 | 1/4   | 24,262 | 1/4   | 35,925 | 1/4   | 47,737 | 1/4   | 59,634 | 1/4   | 71,531 | 1/4   | 83,390 | 1/4   | 95,292  | 1/4   | 107,194 |
| 1/2   | 677   | 1/2   | 12,594 | 1/2   | 24,510 | 1/2   | 36,164 | 1/2   | 47,985 | 1/2   | 59,882 | 1/2   | 71,778 | 1/2   | 83,638 | 1/2   | 95,540  | 1/2   | 107,442 |
| 3/4   | 752   | 3/4   | 12,842 | 3/4   | 24,758 | 3/4   | 36,403 | 3/4   | 48,233 | 3/4   | 60,130 | 3/4   | 72,026 | 3/4   | 83,886 | 3/4   | 95,788  | 3/4   | 107,689 |
| 1     | 826   | 1     | 13,091 | 1     | 25,006 | 1     | 36,643 | 1     | 48,481 | 1     | 60,377 | 1     | 72,273 | 1     | 84,134 | 1     | 96,036  | 1     | 107,937 |
| 1/4   | 901   | 1/4   | 13,339 | 1/4   | 25,254 | 1/4   | 36,882 | 1/4   | 48,728 | 1/4   | 60,625 | 1/4   | 72,520 | 1/4   | 84,382 | 1/4   | 96,284  | 1/4   | 108,185 |
| 1/2   | 975   | 1/2   | 13,588 | 1/2   | 25,502 | 1/2   | 37,122 | 1/2   | 48,976 | 1/2   | 60,873 | 1/2   | 72,767 | 1/2   | 84,630 | 1/2   | 96,532  | 1/2   | 108,433 |
| 3/4   | 1,050 | 3/4   | 13,836 | 3/4   | 25,750 | 3/4   | 37,361 | 3/4   | 49,224 | 3/4   | 61,121 | 3/4   | 73,014 | 3/4   | 84,878 | 3/4   | 96,780  | 3/4   | 108,681 |
| 1     | 1,124 | 1     | 14,085 | 1     | 25,998 | 1     | 37,600 | 1     | 49,472 | 1     | 61,369 | 1     | 73,261 | 1     | 85,126 | 1     | 97,028  | 1     | 108,929 |
| 1/4   | 1,200 | 1/4   | 14,333 | 1/4   | 26,246 | 1/4   | 37,842 | 1/4   | 49,720 | 1/4   | 61,617 | 1/4   | 73,508 | 1/4   | 85,374 | 1/4   | 97,275  | 1/4   | 109,177 |
| 1/2   | 1,275 | 1/2   | 14,581 | 1/2   | 26,494 | 1/2   | 38,083 | 1/2   | 49,968 | 1/2   | 61,865 | 1/2   | 73,755 | 1/2   | 85,622 | 1/2   | 97,523  | 1/2   | 109,425 |
| 3/4   | 1,350 | 3/4   | 14,830 | 3/4   | 26,742 | 3/4   | 38,325 | 3/4   | 50,216 | 3/4   | 62,112 | 3/4   | 74,002 | 3/4   | 85,870 | 3/4   | 97,771  | 3/4   | 109,673 |
| 1     | 1,424 | 1     | 15,078 | 1     | 26,990 | 1     | 38,566 | 1     | 50,463 | 1     | 62,360 | 1     | 74,249 | 1     | 86,118 | 1     | 98,019  | 1     | 109,921 |
| 1/4   | 1,500 | 1/4   | 15,327 | 1/4   | 27,238 | 1/4   | 38,814 | 1/4   | 50,711 | 1/4   | 62,608 | 1/4   | 74,496 | 1/4   | 86,366 | 1/4   | 98,267  | 1/4   | 110,169 |
| 1/2   | 1,575 | 1/2   | 15,575 | 1/2   | 27,486 | 1/2   | 39,062 | 1/2   | 50,959 | 1/2   | 62,856 | 1/2   | 74,742 | 1/2   | 86,614 | 1/2   | 98,515  | 1/2   | 110,417 |
| 3/4   | 1,650 | 3/4   | 15,824 | 3/4   | 27,734 | 3/4   | 39,310 | 3/4   | 51,207 | 3/4   | 63,104 | 3/4   | 74,989 | 3/4   | 86,862 | 3/4   | 98,763  | 3/4   | 110,665 |
| 1     | 1,724 | 1     | 16,072 | 1     | 27,982 | 1     | 39,558 | 1     | 51,455 | 1     | 63,352 | 1     | 75,236 | 1     | 87,109 | 1     | 99,011  | 1     | 110,913 |
| 1/4   | 1,800 | 1/4   | 16,320 | 1/4   | 28,228 | 1/4   | 39,806 | 1/4   | 51,703 | 1/4   | 63,600 | 1/4   | 75,483 | 1/4   | 87,357 | 1/4   | 99,259  | 1/4   | 111,161 |
| 1/2   | 1,875 | 1/2   | 16,568 | 1/2   | 28,474 | 1/2   | 40,054 | 1/2   | 51,950 | 1/2   | 63,847 | 1/2   | 75,730 | 1/2   | 87,605 | 1/2   | 99,507  | 1/2   | 111,409 |
| 3/4   | 1,950 | 3/4   | 16,817 | 3/4   | 28,721 | 3/4   | 40,301 | 3/4   | 52,198 | 3/4   | 64,095 | 3/4   | 75,977 | 3/4   | 87,853 | 3/4   | 99,755  | 3/4   | 111,657 |
| 1     | 2,024 | 1     | 17,066 | 1     | 28,967 | 1     | 40,549 | 1     | 52,446 | 1     | 64,343 | 1     | 76,224 | 1     | 88,101 | 1     | 100,003 | 1     | 111,905 |
| 1/4   | 2,100 | 1/4   | 17,314 | 1/4   | 29,209 | 1/4   | 40,797 | 1/4   | 52,694 | 1/4   | 64,591 | 1/4   | 76,471 | 1/4   | 88,349 | 1/4   | 100,251 | 1/4   | 112,153 |
| 1/2   | 2,175 | 1/2   | 17,563 | 1/2   | 29,450 | 1/2   | 41,045 | 1/2   | 52,942 | 1/2   | 64,839 | 1/2   | 76,718 | 1/2   | 88,597 | 1/2   | 100,499 | 1/2   | 112,401 |
| 3/4   | 2,250 | 3/4   | 17,811 | 3/4   | 29,692 | 3/4   | 41,293 | 3/4   | 53,190 | 3/4   | 65,087 | 3/4   | 76,965 | 3/4   | 88,845 | 3/4   | 100,747 | 3/4   | 112,648 |
| 1     | 2,324 | 1     | 18,060 | 1     | 29,933 | 1     | 41,541 | 1     | 53,438 | 1     | 65,335 | 1     | 77,211 | 1     | 89,093 | 1     | 100,995 | 1     | 112,896 |
| 1/4   | 2,400 | 1/4   | 18,308 | 1/4   | 30,174 | 1/4   | 41,789 | 1/4   | 53,685 | 1/4   | 65,582 | 1/4   | 77,458 | 1/4   | 89,341 | 1/4   | 101,243 | 1/4   | 113,144 |
| 1/2   | 2,475 | 1/2   | 18,557 | 1/2   | 30,415 | 1/2   | 42,036 | 1/2   | 53,932 | 1/2   | 65,830 | 1/2   | 77,705 | 1/2   | 89,589 | 1/2   | 101,491 | 1/2   | 113,392 |
| 3/4   | 2,550 | 3/4   | 18,806 | 3/4   | 30,656 | 3/4   | 42,284 | 3/4   | 54,181 | 3/4   | 66,078 | 3/4   | 77,952 | 3/4   | 89,837 | 3/4   | 101,739 | 3/4   | 113,640 |
| 1     | 2,624 | 1     | 19,053 | 1     | 30,897 | 1     | 42,532 | 1     | 54,429 | 1     | 66,326 | 1     | 78,199 | 1     | 90,085 | 1     | 101,987 | 1     | 113,888 |
| 1/4   | 2,700 | 1/4   | 19,301 | 1/4   | 31,137 | 1/4   | 42,780 | 1/4   | 54,677 | 1/4   | 66,574 | 1/4   | 78,446 | 1/4   | 90,333 | 1/4   | 102,236 | 1/4   | 114,136 |
| 1/2   | 2,775 | 1/2   | 19,549 | 1/2   | 31,376 | 1/2   | 43,028 | 1/2   | 54,925 | 1/2   | 66,822 | 1/2   | 78,693 | 1/2   | 90,581 | 1/2   | 102,482 | 1/2   | 114,384 |
| 3/4   | 2,850 | 3/4   | 19,797 | 3/4   | 31,616 | 3/4   | 43,276 | 3/4   | 55,173 | 3/4   | 67,070 | 3/4   | 78,940 | 3/4   | 90,829 | 3/4   | 102,730 | 3/4   | 114,632 |
| 1     | 2,924 | 1     | 20,045 | 1     | 31,855 | 1     | 43,523 | 1     | 55,420 | 1     | 67,317 | 1     | 79,187 | 1     | 91,077 | 1     | 102,978 | 1     | 114,880 |
| 1/4   | 3,000 | 1/4   | 20,293 | 1/4   | 32,094 | 1/4   | 43,771 | 1/4   | 55,668 | 1/4   | 67,565 | 1/4   | 79,434 | 1/4   | 91,325 | 1/4   | 103,226 | 1/4   | 115,128 |
| 1/2   | 3,075 | 1/2   | 20,541 | 1/2   | 32,334 | 1/2   | 44,019 | 1/2   | 55,916 | 1/2   | 67,813 | 1/2   | 79,680 | 1/2   | 91,573 | 1/2   | 103,474 | 1/2   | 115,376 |
| 3/4   | 3,150 | 3/4   | 20,790 | 3/4   | 32,573 | 3/4   | 44,267 | 3/4   | 56,164 | 3/4   | 68,061 | 3/4   | 79,927 | 3/4   | 91,821 | 3/4   | 103,722 | 3/4   | 115,624 |
| 1     | 3,224 | 1     | 21,038 | 1     | 32,812 | 1     | 44,515 | 1     | 56,412 | 1     | 68,309 | 1     | 80,174 | 1     | 92,069 | 1     | 103,970 | 1     | 115,872 |
| 1/4   | 3,300 | 1/4   | 21,286 | 1/4   | 33,052 | 1/4   | 44,763 | 1/4   | 56,660 | 1/4   | 68,557 | 1/4   | 80,421 | 1/4   | 92,316 | 1/4   | 104,218 | 1/4   | 116,119 |
| 1/2   | 3,375 | 1/2   | 21,534 | 1/2   | 33,291 | 1/2   | 45,011 | 1/2   | 56,908 | 1/2   | 68,804 | 1/2   | 80,668 | 1/2   | 92,564 | 1/2   | 104,466 | 1/2   | 116,367 |
| 3/4   | 3,450 | 3/4   | 21,782 | 3/4   | 33,531 | 3/4   | 45,258 | 3/4   | 57,155 | 3/4   | 69,052 | 3/4   | 80,915 | 3/4   | 92,812 | 3/4   | 104,714 | 3/4   | 116,614 |
| 1     | 3,524 | 1     | 22,030 | 1     | 33,770 | 1     | 45,506 | 1     | 57,403 | 1     | 69,300 | 1     | 81,162 | 1     | 93,060 | 1     | 104,962 | 1     | 116,862 |
| 1/4   | 3,600 | 1/4   | 22,278 | 1/4   | 34,009 | 1/4   | 45,754 | 1/4   | 57,651 | 1/4   | 69,548 | 1/4   | 81,409 | 1/4   | 93,308 | 1/4   | 105,210 | 1/4   | 117,110 |
| 1/2   | 3,675 | 1/2   | 22,526 | 1/2   | 34,249 | 1/2   | 46,002 | 1/2   | 57,899 | 1/2   | 69,796 | 1/2   | 81,656 | 1/2   | 93,556 | 1/2   | 105,458 | 1/2   | 117,357 |
| 3/4   | 3,750 | 3/4   | 22,774 | 3/4   | 34,488 | 3/4   | 46,250 | 3/4   | 58,147 | 3/4   | 70,044 | 3/4   | 81,903 | 3/4   | 93,804 | 3/4   | 105,706 | 3/4   | 117,605 |

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 30'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "IB 1308"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

| 10 FT. |         | 11 FT. |         | 12 FT. |         | 13 FT. |         | 14 FT. |         | 15 FT. |         | 16 FT. |         | 17 FT. |         | 18 FT. |         | 19 FT. |         |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     |
| 0      | 117,852 | 0      | 128,919 | 0      | 139,099 | 0      | 149,279 | 0      | 159,459 | 0      | 169,612 | 0      | 179,765 | 0      | 189,918 | 0      | 199,971 | 0      | 209,971 |
| 1/4    | 118,100 | 1/4    | 129,131 | 1/4    | 139,311 | 1/4    | 149,491 | 1/4    | 159,671 | 1/4    | 169,757 | 1/4    | 179,843 | 1/4    | 189,929 | 1/4    | 199,971 | 1/4    | 209,971 |
| 1/2    | 118,348 | 1/2    | 129,343 | 1/2    | 139,523 | 1/2    | 149,703 | 1/2    | 159,883 | 1/2    | 169,902 | 1/2    | 179,988 | 1/2    | 189,974 | 1/2    | 199,971 | 1/2    | 209,971 |
| 3/4    | 118,595 | 3/4    | 129,566 | 3/4    | 139,736 | 3/4    | 149,916 | 3/4    | 160,095 | 3/4    | 170,047 | 3/4    | 180,100 | 3/4    | 190,153 | 3/4    | 199,971 | 3/4    | 209,971 |
| 1      | 118,843 | 1      | 129,767 | 1      | 139,947 | 1      | 150,127 | 1      | 160,307 | 1      | 170,192 | 1      | 180,278 | 1      | 190,364 | 1      | 199,971 | 1      | 209,971 |
| 1 1/4  | 119,090 | 1 1/4  | 129,979 | 1 1/4  | 140,159 | 1 1/4  | 150,339 | 1 1/4  | 160,519 | 1 1/4  | 170,259 | 1 1/4  | 180,345 | 1 1/4  | 190,431 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 119,338 | 1 1/2  | 130,191 | 1 1/2  | 140,371 | 1 1/2  | 150,551 | 1 1/2  | 160,731 | 1 1/2  | 170,326 | 1 1/2  | 180,412 | 1 1/2  | 190,500 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 119,586 | 3/4    | 130,403 | 3/4    | 140,583 | 3/4    | 150,763 | 3/4    | 160,944 | 3/4    | 170,393 | 3/4    | 180,479 | 3/4    | 190,565 | 3/4    | 199,971 | 3/4    | 209,971 |
| 2      | 119,833 | 2      | 130,615 | 2      | 140,795 | 2      | 150,975 | 2      | 161,156 | 2      | 170,461 | 2      | 180,547 | 2      | 190,633 | 2      | 199,971 | 2      | 209,971 |
| 1 1/4  | 120,081 | 1 1/4  | 130,827 | 1 1/4  | 141,007 | 1 1/4  | 151,188 | 1 1/4  | 161,368 | 1 1/4  | 170,481 | 1 1/4  | 180,567 | 1 1/4  | 190,653 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 120,328 | 1 1/2  | 131,039 | 1 1/2  | 141,220 | 1 1/2  | 151,400 | 1 1/2  | 161,580 | 1 1/2  | 170,612 | 1 1/2  | 180,698 | 1 1/2  | 190,784 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 120,576 | 3/4    | 131,252 | 3/4    | 141,432 | 3/4    | 151,612 | 3/4    | 161,792 | 3/4    | 170,824 | 3/4    | 180,910 | 3/4    | 190,996 | 3/4    | 199,971 | 3/4    | 209,971 |
| 3      | 120,824 | 3      | 131,464 | 3      | 141,644 | 3      | 151,824 | 3      | 162,004 | 3      | 171,036 | 3      | 181,122 | 3      | 191,208 | 3      | 199,971 | 3      | 209,971 |
| 1 1/4  | 121,071 | 1 1/4  | 131,676 | 1 1/4  | 141,856 | 1 1/4  | 152,036 | 1 1/4  | 162,216 | 1 1/4  | 171,248 | 1 1/4  | 181,334 | 1 1/4  | 191,420 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 121,319 | 1 1/2  | 131,888 | 1 1/2  | 142,068 | 1 1/2  | 152,248 | 1 1/2  | 162,428 | 1 1/2  | 171,460 | 1 1/2  | 181,546 | 1 1/2  | 191,632 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 121,566 | 3/4    | 132,100 | 3/4    | 142,280 | 3/4    | 152,460 | 3/4    | 162,640 | 3/4    | 171,672 | 3/4    | 181,758 | 3/4    | 191,844 | 3/4    | 199,971 | 3/4    | 209,971 |
| 4      | 121,814 | 4      | 132,312 | 4      | 142,492 | 4      | 152,672 | 4      | 162,852 | 4      | 171,884 | 4      | 181,970 | 4      | 192,056 | 4      | 199,971 | 4      | 209,971 |
| 1 1/4  | 122,062 | 1 1/4  | 132,524 | 1 1/4  | 142,704 | 1 1/4  | 152,884 | 1 1/4  | 163,064 | 1 1/4  | 172,096 | 1 1/4  | 182,182 | 1 1/4  | 192,268 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 122,309 | 1 1/2  | 132,736 | 1 1/2  | 142,916 | 1 1/2  | 153,096 | 1 1/2  | 163,276 | 1 1/2  | 172,308 | 1 1/2  | 182,394 | 1 1/2  | 192,480 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 122,557 | 3/4    | 132,948 | 3/4    | 143,128 | 3/4    | 153,308 | 3/4    | 163,488 | 3/4    | 172,520 | 3/4    | 182,606 | 3/4    | 192,692 | 3/4    | 199,971 | 3/4    | 209,971 |
| 5      | 122,804 | 5      | 133,160 | 5      | 143,340 | 5      | 153,520 | 5      | 163,700 | 5      | 172,732 | 5      | 182,818 | 5      | 192,904 | 5      | 199,971 | 5      | 209,971 |
| 1 1/4  | 123,047 | 1 1/4  | 133,374 | 1 1/4  | 143,562 | 1 1/4  | 153,742 | 1 1/4  | 163,922 | 1 1/4  | 172,954 | 1 1/4  | 183,040 | 1 1/4  | 193,126 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 123,290 | 1 1/2  | 133,584 | 1 1/2  | 143,765 | 1 1/2  | 153,945 | 1 1/2  | 164,125 | 1 1/2  | 173,157 | 1 1/2  | 183,243 | 1 1/2  | 193,329 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 123,533 | 3/4    | 133,797 | 3/4    | 143,977 | 3/4    | 154,157 | 3/4    | 164,337 | 3/4    | 173,369 | 3/4    | 183,455 | 3/4    | 193,541 | 3/4    | 199,971 | 3/4    | 209,971 |
| 6      | 123,777 | 6      | 134,009 | 6      | 144,189 | 6      | 154,369 | 6      | 164,549 | 6      | 173,581 | 6      | 183,667 | 6      | 193,753 | 6      | 199,971 | 6      | 209,971 |
| 1 1/4  | 124,002 | 1 1/4  | 134,221 | 1 1/4  | 144,401 | 1 1/4  | 154,581 | 1 1/4  | 164,761 | 1 1/4  | 173,793 | 1 1/4  | 183,879 | 1 1/4  | 193,965 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 124,227 | 1 1/2  | 134,433 | 1 1/2  | 144,613 | 1 1/2  | 154,793 | 1 1/2  | 164,973 | 1 1/2  | 173,985 | 1 1/2  | 184,071 | 1 1/2  | 194,157 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 124,452 | 3/4    | 134,645 | 3/4    | 144,825 | 3/4    | 155,005 | 3/4    | 165,185 | 3/4    | 174,217 | 3/4    | 184,303 | 3/4    | 194,389 | 3/4    | 199,971 | 3/4    | 209,971 |
| 7      | 124,677 | 7      | 134,857 | 7      | 145,037 | 7      | 155,217 | 7      | 165,397 | 7      | 174,429 | 7      | 184,515 | 7      | 194,601 | 7      | 199,971 | 7      | 209,971 |
| 1 1/4  | 124,889 | 1 1/4  | 135,069 | 1 1/4  | 145,249 | 1 1/4  | 155,429 | 1 1/4  | 165,609 | 1 1/4  | 174,641 | 1 1/4  | 184,727 | 1 1/4  | 194,813 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 125,101 | 1 1/2  | 135,281 | 1 1/2  | 145,461 | 1 1/2  | 155,641 | 1 1/2  | 165,821 | 1 1/2  | 174,853 | 1 1/2  | 184,939 | 1 1/2  | 195,025 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 125,313 | 3/4    | 135,493 | 3/4    | 145,673 | 3/4    | 155,853 | 3/4    | 166,033 | 3/4    | 175,065 | 3/4    | 185,151 | 3/4    | 195,237 | 3/4    | 199,971 | 3/4    | 209,971 |
| 8      | 125,525 | 8      | 135,705 | 8      | 145,885 | 8      | 156,065 | 8      | 166,245 | 8      | 175,277 | 8      | 185,363 | 8      | 195,449 | 8      | 199,971 | 8      | 209,971 |
| 1 1/4  | 125,737 | 1 1/4  | 135,917 | 1 1/4  | 146,098 | 1 1/4  | 156,278 | 1 1/4  | 166,458 | 1 1/4  | 175,490 | 1 1/4  | 185,576 | 1 1/4  | 195,662 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 125,949 | 1 1/2  | 136,129 | 1 1/2  | 146,310 | 1 1/2  | 156,490 | 1 1/2  | 166,670 | 1 1/2  | 175,702 | 1 1/2  | 185,788 | 1 1/2  | 195,874 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 126,161 | 3/4    | 136,342 | 3/4    | 146,522 | 3/4    | 156,702 | 3/4    | 166,882 | 3/4    | 175,914 | 3/4    | 186,000 | 3/4    | 196,086 | 3/4    | 199,971 | 3/4    | 209,971 |
| 9      | 126,374 | 9      | 136,554 | 9      | 146,734 | 9      | 156,914 | 9      | 167,094 | 9      | 176,306 | 9      | 186,392 | 9      | 196,478 | 9      | 199,971 | 9      | 209,971 |
| 1 1/4  | 126,586 | 1 1/4  | 136,766 | 1 1/4  | 146,946 | 1 1/4  | 157,126 | 1 1/4  | 167,306 | 1 1/4  | 176,518 | 1 1/4  | 186,604 | 1 1/4  | 196,690 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 126,798 | 1 1/2  | 136,978 | 1 1/2  | 147,158 | 1 1/2  | 157,338 | 1 1/2  | 167,518 | 1 1/2  | 176,728 | 1 1/2  | 186,814 | 1 1/2  | 196,900 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 127,010 | 3/4    | 137,190 | 3/4    | 147,370 | 3/4    | 157,550 | 3/4    | 167,728 | 3/4    | 177,000 | 3/4    | 187,086 | 3/4    | 197,172 | 3/4    | 199,971 | 3/4    | 209,971 |
| 10     | 127,222 | 10     | 137,402 | 10     | 147,582 | 10     | 157,762 | 10     | 167,940 | 10     | 177,222 | 10     | 187,308 | 10     | 197,394 | 10     | 199,971 | 10     | 209,971 |
| 1 1/4  | 127,434 | 1 1/4  | 137,614 | 1 1/4  | 147,794 | 1 1/4  | 158,074 | 1 1/4  | 168,153 | 1 1/4  | 177,434 | 1 1/4  | 187,520 | 1 1/4  | 197,606 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 127,646 | 1 1/2  | 137,826 | 1 1/2  | 148,006 | 1 1/2  | 158,186 | 1 1/2  | 168,266 | 1 1/2  | 177,546 | 1 1/2  | 187,632 | 1 1/2  | 197,718 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 127,858 | 3/4    | 138,038 | 3/4    | 148,218 | 3/4    | 158,398 | 3/4    | 168,478 | 3/4    | 177,708 | 3/4    | 187,794 | 3/4    | 197,880 | 3/4    | 199,971 | 3/4    | 209,971 |
| 11     | 128,070 | 11     | 138,250 | 11     | 148,430 | 11     | 158,610 | 11     | 168,790 | 11     | 178,070 | 11     | 188,156 | 11     | 198,242 | 11     | 199,971 | 11     | 209,971 |
| 1 1/4  | 128,282 | 1 1/4  | 138,462 | 1 1/4  | 148,642 | 1 1/4  | 158,822 | 1 1/4  | 168,996 | 1 1/4  | 178,276 | 1 1/4  | 188,362 | 1 1/4  | 198,448 | 1 1/4  | 199,971 | 1 1/4  | 209,971 |
| 1 1/2  | 128,494 | 1 1/2  | 138,674 | 1 1/2  | 148,854 | 1 1/2  | 159,034 | 1 1/2  | 169,208 | 1 1/2  | 178,492 | 1 1/2  | 188,578 | 1 1/2  | 198,664 | 1 1/2  | 199,971 | 1 1/2  | 209,971 |
| 3/4    | 128,706 | 3/4    | 138,886 | 3/4    | 149,066 | 3/4    | 159,246 | 3/4    | 169,420 | 3/4    | 178,700 | 3/4    | 188,786 | 3/4    | 198,872 | 3/4    | 199,971 | 3/4    | 209,971 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS  
CALCULATED: 09/04/2019 CL  
PRINTED: 09/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1308"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 1/4"

| 0 FT. |       | 1 FT. |        | 2 FT. |        | 3 FT. |        | 4 FT. |        | 5 FT. |        | 6 FT. |        | 7 FT. |        | 8 FT. |        | 9 FT. |         |
|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|
| IN    | OUT   | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT     |
| 0     | 74    | 0     | 9,454  | 0     | 19,745 | 0     | 29,878 | 0     | 40,075 | 0     | 50,367 | 0     | 60,658 | 0     | 70,950 | 0     | 81,242 | 0     | 91,533  |
| 1/4   | 138   | 1/4   | 9,669  | 1/4   | 19,960 | 1/4   | 30,086 | 1/4   | 40,290 | 1/4   | 50,581 | 1/4   | 60,873 | 1/4   | 71,165 | 1/4   | 81,456 | 1/4   | 91,748  |
| 1/2   | 202   | 1/2   | 9,883  | 1/2   | 20,174 | 1/2   | 30,294 | 1/2   | 40,504 | 1/2   | 50,796 | 1/2   | 61,087 | 1/2   | 71,379 | 1/2   | 81,671 | 1/2   | 91,962  |
| 3/4   | 287   | 3/4   | 10,097 | 3/4   | 20,389 | 3/4   | 30,502 | 3/4   | 40,718 | 3/4   | 51,010 | 3/4   | 61,302 | 3/4   | 71,593 | 3/4   | 81,885 | 3/4   | 92,177  |
| 1     | 331   | 1     | 10,312 | 1     | 20,603 | 1     | 30,710 | 1     | 40,933 | 1     | 51,224 | 1     | 61,516 | 1     | 71,808 | 1     | 82,099 | 1     | 92,391  |
| 1/4   | 478   | 1/4   | 10,526 | 1/4   | 20,817 | 1/4   | 30,918 | 1/4   | 41,147 | 1/4   | 51,439 | 1/4   | 61,731 | 1/4   | 72,022 | 1/4   | 82,314 | 1/4   | 92,606  |
| 1/2   | 625   | 1/2   | 10,741 | 1/2   | 21,032 | 1/2   | 31,126 | 1/2   | 41,362 | 1/2   | 51,653 | 1/2   | 61,945 | 1/2   | 72,237 | 1/2   | 82,528 | 1/2   | 92,820  |
| 3/4   | 772   | 3/4   | 10,955 | 3/4   | 21,246 | 3/4   | 31,334 | 3/4   | 41,576 | 3/4   | 51,868 | 3/4   | 62,159 | 3/4   | 72,451 | 3/4   | 82,743 | 3/4   | 93,034  |
| 2     | 919   | 2     | 11,169 | 2     | 21,461 | 2     | 31,543 | 2     | 41,790 | 2     | 52,082 | 2     | 62,374 | 2     | 72,666 | 2     | 82,957 | 2     | 93,249  |
| 1/4   | 1,124 | 1/4   | 11,384 | 1/4   | 21,675 | 1/4   | 31,751 | 1/4   | 42,005 | 1/4   | 52,296 | 1/4   | 62,588 | 1/4   | 72,880 | 1/4   | 83,171 | 1/4   | 93,463  |
| 1/2   | 1,330 | 1/2   | 11,598 | 1/2   | 21,889 | 1/2   | 31,969 | 1/2   | 42,219 | 1/2   | 52,511 | 1/2   | 62,803 | 1/2   | 73,094 | 1/2   | 83,386 | 1/2   | 93,678  |
| 3/4   | 1,535 | 3/4   | 11,813 | 3/4   | 22,104 | 3/4   | 32,187 | 3/4   | 42,434 | 3/4   | 52,725 | 3/4   | 63,017 | 3/4   | 73,309 | 3/4   | 83,600 | 3/4   | 93,892  |
| 3     | 1,740 | 3     | 12,027 | 3     | 22,318 | 3     | 32,375 | 3     | 42,648 | 3     | 52,940 | 3     | 63,231 | 3     | 73,523 | 3     | 83,815 | 3     | 94,106  |
| 1/4   | 1,963 | 1/4   | 12,241 | 1/4   | 22,533 | 1/4   | 32,565 | 1/4   | 42,862 | 1/4   | 53,154 | 1/4   | 63,446 | 1/4   | 73,737 | 1/4   | 84,029 | 1/4   | 94,321  |
| 1/2   | 2,167 | 1/2   | 12,456 | 1/2   | 22,747 | 1/2   | 32,785 | 1/2   | 43,077 | 1/2   | 53,369 | 1/2   | 63,660 | 1/2   | 73,952 | 1/2   | 84,244 | 1/2   | 94,535  |
| 3/4   | 2,381 | 3/4   | 12,670 | 3/4   | 22,961 | 3/4   | 33,004 | 3/4   | 43,291 | 3/4   | 53,583 | 3/4   | 63,875 | 3/4   | 74,166 | 3/4   | 84,458 | 3/4   | 94,750  |
| 4     | 2,594 | 4     | 12,885 | 4     | 23,176 | 4     | 33,214 | 4     | 43,506 | 4     | 53,797 | 4     | 64,089 | 4     | 74,381 | 4     | 84,672 | 4     | 94,964  |
| 1/4   | 2,808 | 1/4   | 13,099 | 1/4   | 23,390 | 1/4   | 33,428 | 1/4   | 43,720 | 1/4   | 54,012 | 1/4   | 64,303 | 1/4   | 74,595 | 1/4   | 84,887 | 1/4   | 95,178  |
| 1/2   | 3,023 | 1/2   | 13,313 | 1/2   | 23,605 | 1/2   | 33,643 | 1/2   | 43,935 | 1/2   | 54,226 | 1/2   | 64,518 | 1/2   | 74,809 | 1/2   | 85,101 | 1/2   | 95,393  |
| 3/4   | 3,237 | 3/4   | 13,528 | 3/4   | 23,819 | 3/4   | 33,857 | 3/4   | 44,149 | 3/4   | 54,441 | 3/4   | 64,732 | 3/4   | 75,024 | 3/4   | 85,316 | 3/4   | 95,607  |
| 5     | 3,451 | 5     | 13,742 | 5     | 24,033 | 5     | 34,072 | 5     | 44,363 | 5     | 54,655 | 5     | 64,947 | 5     | 75,238 | 5     | 85,530 | 5     | 95,822  |
| 1/4   | 3,665 | 1/4   | 13,957 | 1/4   | 24,246 | 1/4   | 34,286 | 1/4   | 44,578 | 1/4   | 54,869 | 1/4   | 65,161 | 1/4   | 75,453 | 1/4   | 85,744 | 1/4   | 96,036  |
| 1/2   | 3,880 | 1/2   | 14,171 | 1/2   | 24,459 | 1/2   | 34,500 | 1/2   | 44,792 | 1/2   | 55,084 | 1/2   | 65,375 | 1/2   | 75,667 | 1/2   | 85,959 | 1/2   | 96,250  |
| 3/4   | 4,094 | 3/4   | 14,385 | 3/4   | 24,672 | 3/4   | 34,715 | 3/4   | 45,007 | 3/4   | 55,298 | 3/4   | 65,590 | 3/4   | 75,882 | 3/4   | 86,173 | 3/4   | 96,465  |
| 6     | 4,309 | 6     | 14,600 | 6     | 24,885 | 6     | 34,929 | 6     | 45,221 | 6     | 55,513 | 6     | 65,804 | 6     | 76,096 | 6     | 86,388 | 6     | 96,679  |
| 1/4   | 4,523 | 1/4   | 14,814 | 1/4   | 25,092 | 1/4   | 35,144 | 1/4   | 45,435 | 1/4   | 55,727 | 1/4   | 66,019 | 1/4   | 76,310 | 1/4   | 86,602 | 1/4   | 96,894  |
| 1/2   | 4,737 | 1/2   | 15,029 | 1/2   | 25,305 | 1/2   | 35,358 | 1/2   | 45,650 | 1/2   | 55,941 | 1/2   | 66,233 | 1/2   | 76,525 | 1/2   | 86,816 | 1/2   | 97,108  |
| 3/4   | 4,952 | 3/4   | 15,243 | 3/4   | 25,508 | 3/4   | 35,573 | 3/4   | 45,864 | 3/4   | 56,156 | 3/4   | 66,448 | 3/4   | 76,739 | 3/4   | 87,031 | 3/4   | 97,323  |
| 7     | 5,166 | 7     | 15,457 | 7     | 25,716 | 7     | 35,787 | 7     | 46,079 | 7     | 56,370 | 7     | 66,662 | 7     | 76,954 | 7     | 87,246 | 7     | 97,537  |
| 1/4   | 5,381 | 1/4   | 15,672 | 1/4   | 25,924 | 1/4   | 36,001 | 1/4   | 46,293 | 1/4   | 56,585 | 1/4   | 66,876 | 1/4   | 77,168 | 1/4   | 87,460 | 1/4   | 97,751  |
| 1/2   | 5,595 | 1/2   | 15,886 | 1/2   | 26,132 | 1/2   | 36,216 | 1/2   | 46,507 | 1/2   | 56,799 | 1/2   | 67,091 | 1/2   | 77,382 | 1/2   | 87,674 | 1/2   | 97,966  |
| 3/4   | 5,809 | 3/4   | 16,101 | 3/4   | 26,340 | 3/4   | 36,430 | 3/4   | 46,722 | 3/4   | 57,013 | 3/4   | 67,305 | 3/4   | 77,597 | 3/4   | 87,888 | 3/4   | 98,180  |
| 8     | 6,024 | 8     | 16,315 | 8     | 26,548 | 8     | 36,645 | 8     | 46,936 | 8     | 57,228 | 8     | 67,520 | 8     | 77,811 | 8     | 88,103 | 8     | 98,395  |
| 1/4   | 6,238 | 1/4   | 16,529 | 1/4   | 26,756 | 1/4   | 36,859 | 1/4   | 47,151 | 1/4   | 57,442 | 1/4   | 67,734 | 1/4   | 78,026 | 1/4   | 88,317 | 1/4   | 98,609  |
| 1/2   | 6,453 | 1/2   | 16,744 | 1/2   | 26,964 | 1/2   | 37,073 | 1/2   | 47,365 | 1/2   | 57,657 | 1/2   | 67,948 | 1/2   | 78,240 | 1/2   | 88,532 | 1/2   | 98,823  |
| 3/4   | 6,667 | 3/4   | 16,958 | 3/4   | 27,172 | 3/4   | 37,288 | 3/4   | 47,579 | 3/4   | 57,871 | 3/4   | 68,163 | 3/4   | 78,454 | 3/4   | 88,746 | 3/4   | 99,038  |
| 9     | 6,881 | 9     | 17,173 | 9     | 27,380 | 9     | 37,502 | 9     | 47,794 | 9     | 58,086 | 9     | 68,377 | 9     | 78,669 | 9     | 88,961 | 9     | 99,252  |
| 1/4   | 7,096 | 1/4   | 17,387 | 1/4   | 27,588 | 1/4   | 37,717 | 1/4   | 48,008 | 1/4   | 58,300 | 1/4   | 68,592 | 1/4   | 78,883 | 1/4   | 89,175 | 1/4   | 99,467  |
| 1/2   | 7,310 | 1/2   | 17,601 | 1/2   | 27,796 | 1/2   | 37,931 | 1/2   | 48,223 | 1/2   | 58,514 | 1/2   | 68,806 | 1/2   | 79,098 | 1/2   | 89,389 | 1/2   | 99,681  |
| 3/4   | 7,525 | 3/4   | 17,816 | 3/4   | 28,005 | 3/4   | 38,145 | 3/4   | 48,437 | 3/4   | 58,729 | 3/4   | 69,020 | 3/4   | 79,312 | 3/4   | 89,604 | 3/4   | 99,895  |
| 10    | 7,739 | 10    | 18,030 | 10    | 28,213 | 10    | 38,360 | 10    | 48,652 | 10    | 58,943 | 10    | 69,235 | 10    | 79,527 | 10    | 89,818 | 10    | 100,110 |
| 1/4   | 7,953 | 1/4   | 18,245 | 1/4   | 28,421 | 1/4   | 38,574 | 1/4   | 48,866 | 1/4   | 59,158 | 1/4   | 69,449 | 1/4   | 79,741 | 1/4   | 90,033 | 1/4   | 100,324 |
| 1/2   | 8,168 | 1/2   | 18,459 | 1/2   | 28,629 | 1/2   | 38,789 | 1/2   | 49,080 | 1/2   | 59,372 | 1/2   | 69,664 | 1/2   | 79,956 | 1/2   | 90,247 | 1/2   | 100,539 |
| 3/4   | 8,382 | 3/4   | 18,673 | 3/4   | 28,837 | 3/4   | 39,003 | 3/4   | 49,295 | 3/4   | 59,586 | 3/4   | 69,878 | 3/4   | 80,170 | 3/4   | 90,461 | 3/4   | 100,753 |
| 11    | 8,597 | 11    | 18,888 | 11    | 29,045 | 11    | 39,217 | 11    | 49,509 | 11    | 59,801 | 11    | 70,092 | 11    | 80,384 | 11    | 90,676 | 11    | 100,967 |
| 1/4   | 8,811 | 1/4   | 19,102 | 1/4   | 29,253 | 1/4   | 39,432 | 1/4   | 49,724 | 1/4   | 60,015 | 1/4   | 70,307 | 1/4   | 80,599 | 1/4   | 90,890 | 1/4   | 101,182 |
| 1/2   | 9,025 | 1/2   | 19,317 | 1/2   | 29,461 | 1/2   | 39,646 | 1/2   | 49,938 | 1/2   | 60,230 | 1/2   | 70,521 | 1/2   | 80,813 | 1/2   | 91,105 | 1/2   | 101,396 |
| 3/4   | 9,240 | 3/4   | 19,531 | 3/4   | 29,669 | 3/4   | 39,861 | 3/4   | 50,152 | 3/4   | 60,444 | 3/4   | 70,736 | 3/4   | 81,027 | 3/4   | 91,319 | 3/4   | 101,611 |

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 23'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "IB 1308"

## 2 CENTER INNAGE TABLE

GAUGE HEIGHT 16'-02 1/4"

| 10 FT. |         | 11 FT. |         | 12 FT. |         | 13 FT. |         | 14 FT. |         | 15 FT. |         | 16 FT. |     | 17 FT. |     | 18 FT. |     | 19 FT. |     |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|-----|--------|-----|--------|-----|--------|-----|
| IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT | IN     | OUT | IN     | OUT | IN     | OUT |
| 0      | 101,825 | 0      | 112,117 | 0      | 122,408 | 0      | 132,700 | 0      | 142,992 | 0      | 153,166 | 0      | 0   | 0      | 0   | 0      | 0   | 0      | 0   |
| 1/4    | 102,040 | 1/4    | 112,331 | 1/4    | 122,623 | 1/4    | 132,915 | 1/4    | 143,206 | 1/4    | 153,291 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 102,254 | 1/2    | 112,546 | 1/2    | 122,837 | 1/2    | 133,129 | 1/2    | 143,421 | 1/2    | 153,416 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 102,468 | 3/4    | 112,760 | 3/4    | 123,052 | 3/4    | 133,343 | 3/4    | 143,635 | 3/4    | 153,541 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 1      | 102,683 | 1      | 112,974 | 1      | 123,266 | 1      | 133,558 | 1      | 143,849 | 1      | 153,666 | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   |
| 1/4    | 102,897 | 1/4    | 113,189 | 1/4    | 123,481 | 1/4    | 133,772 | 1/4    | 144,064 | 1/4    | 153,724 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 103,112 | 1/2    | 113,403 | 1/2    | 123,695 | 1/2    | 133,987 | 1/2    | 144,278 | 1/2    | 153,782 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 103,326 | 3/4    | 113,618 | 3/4    | 123,909 | 3/4    | 134,201 | 3/4    | 144,493 | 3/4    | 153,841 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 2      | 103,540 | 2      | 113,832 | 2      | 124,124 | 2      | 134,415 | 2      | 144,707 | 2      | 153,899 | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   |
| 1/4    | 103,755 | 1/4    | 114,046 | 1/4    | 124,338 | 1/4    | 134,630 | 1/4    | 144,921 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 103,969 | 1/2    | 114,261 | 1/2    | 124,553 | 1/2    | 134,844 | 1/2    | 145,136 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 104,184 | 3/4    | 114,475 | 3/4    | 124,767 | 3/4    | 135,059 | 3/4    | 145,350 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 3      | 104,398 | 3      | 114,690 | 3      | 124,981 | 3      | 135,273 | 3      | 145,565 | 3      | 153,916 | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   |
| 1/4    | 104,612 | 1/4    | 114,904 | 1/4    | 125,196 | 1/4    | 135,487 | 1/4    | 145,779 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 104,827 | 1/2    | 115,119 | 1/2    | 125,410 | 1/2    | 135,702 | 1/2    | 145,994 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 105,041 | 3/4    | 115,333 | 3/4    | 125,625 | 3/4    | 135,916 | 3/4    | 146,208 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 4      | 105,256 | 4      | 115,547 | 4      | 125,839 | 4      | 136,131 | 4      | 146,422 | 4      | 153,916 | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   |
| 1/4    | 105,470 | 1/4    | 115,762 | 1/4    | 126,053 | 1/4    | 136,346 | 1/4    | 146,637 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 105,684 | 1/2    | 115,976 | 1/2    | 126,268 | 1/2    | 136,559 | 1/2    | 146,851 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 105,899 | 3/4    | 116,191 | 3/4    | 126,482 | 3/4    | 136,774 | 3/4    | 147,066 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 5      | 106,113 | 5      | 116,405 | 5      | 126,697 | 5      | 136,988 | 5      | 147,280 | 5      | 153,916 | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   |
| 1/4    | 106,328 | 1/4    | 116,619 | 1/4    | 126,911 | 1/4    | 137,203 | 1/4    | 147,494 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 106,542 | 1/2    | 116,834 | 1/2    | 127,125 | 1/2    | 137,417 | 1/2    | 147,709 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 106,757 | 3/4    | 117,048 | 3/4    | 127,340 | 3/4    | 137,632 | 3/4    | 147,923 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 6      | 106,971 | 6      | 117,263 | 6      | 127,554 | 6      | 137,846 | 6      | 148,138 | 6      | 153,916 | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   |
| 1/4    | 107,186 | 1/4    | 117,477 | 1/4    | 127,769 | 1/4    | 138,060 | 1/4    | 148,352 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 107,400 | 1/2    | 117,691 | 1/2    | 127,983 | 1/2    | 138,275 | 1/2    | 148,566 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 107,614 | 3/4    | 117,906 | 3/4    | 128,198 | 3/4    | 138,489 | 3/4    | 148,781 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 7      | 107,829 | 7      | 118,120 | 7      | 128,412 | 7      | 138,704 | 7      | 148,995 | 7      | 153,916 | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   |
| 1/4    | 108,043 | 1/4    | 118,335 | 1/4    | 128,626 | 1/4    | 138,918 | 1/4    | 149,210 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 108,257 | 1/2    | 118,549 | 1/2    | 128,841 | 1/2    | 139,132 | 1/2    | 149,424 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 108,472 | 3/4    | 118,763 | 3/4    | 129,055 | 3/4    | 139,347 | 3/4    | 149,638 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 8      | 108,686 | 8      | 118,978 | 8      | 129,270 | 8      | 139,561 | 8      | 149,853 | 8      | 153,916 | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   |
| 1/4    | 108,901 | 1/4    | 119,192 | 1/4    | 129,484 | 1/4    | 139,776 | 1/4    | 150,067 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 109,115 | 1/2    | 119,407 | 1/2    | 129,698 | 1/2    | 139,990 | 1/2    | 150,282 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 109,329 | 3/4    | 119,621 | 3/4    | 129,913 | 3/4    | 140,204 | 3/4    | 150,496 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 9      | 109,544 | 9      | 119,836 | 9      | 130,127 | 9      | 140,419 | 9      | 150,710 | 9      | 153,916 | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   |
| 1/4    | 109,758 | 1/4    | 120,050 | 1/4    | 130,342 | 1/4    | 140,633 | 1/4    | 150,924 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 109,973 | 1/2    | 120,264 | 1/2    | 130,556 | 1/2    | 140,848 | 1/2    | 151,138 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 110,187 | 3/4    | 120,479 | 3/4    | 130,770 | 3/4    | 141,062 | 3/4    | 151,352 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 10     | 110,402 | 10     | 120,693 | 10     | 130,985 | 10     | 141,277 | 10     | 151,566 | 10     | 153,916 | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  |
| 1/4    | 110,616 | 1/4    | 120,908 | 1/4    | 131,199 | 1/4    | 141,491 | 1/4    | 151,777 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 110,830 | 1/2    | 121,122 | 1/2    | 131,414 | 1/2    | 141,705 | 1/2    | 151,988 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 111,045 | 3/4    | 121,336 | 3/4    | 131,628 | 3/4    | 141,920 | 3/4    | 152,199 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 11     | 111,259 | 11     | 121,551 | 11     | 131,842 | 11     | 142,134 | 11     | 152,411 | 11     | 153,916 | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  |
| 1/4    | 111,474 | 1/4    | 121,765 | 1/4    | 132,057 | 1/4    | 142,349 | 1/4    | 152,599 | 1/4    | 153,916 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 111,688 | 1/2    | 121,980 | 1/2    | 132,271 | 1/2    | 142,563 | 1/2    | 152,788 | 1/2    | 153,916 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 111,902 | 3/4    | 122,194 | 3/4    | 132,486 | 3/4    | 142,777 | 3/4    | 152,977 | 3/4    | 153,916 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS  
 CALCULATED: 09/04/2019 CL  
 PRINTED: 09/04/2019 JS  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2019

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



# BARGE "IB 1308"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| 0 FT. |       | 1 FT. |        | 2 FT. |        | 3 FT. |        | 4 FT. |        | 5 FT. |        | 6 FT. |        | 7 FT. |        | 8 FT. |        | 9 FT. |         |
|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|
| IN    | OUT   | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT    | IN    | OUT     |
| 0     | 74    | 0     | 9,517  | 0     | 19,877 | 0     | 30,213 | 0     | 40,561 | 0     | 50,922 | 0     | 61,282 | 0     | 71,643 | 0     | 82,003 | 0     | 92,363  |
| 1/4   | 139   | 1/4   | 9,733  | 1/4   | 20,093 | 1/4   | 30,428 | 1/4   | 40,777 | 1/4   | 51,137 | 1/4   | 61,498 | 1/4   | 71,858 | 1/4   | 82,219 | 1/4   | 92,579  |
| 1/2   | 204   | 1/2   | 9,949  | 1/2   | 20,309 | 1/2   | 30,643 | 1/2   | 40,993 | 1/2   | 51,353 | 1/2   | 61,714 | 1/2   | 72,074 | 1/2   | 82,435 | 1/2   | 92,795  |
| 3/4   | 268   | 3/4   | 10,165 | 3/4   | 20,525 | 3/4   | 30,868 | 3/4   | 41,209 | 3/4   | 51,569 | 3/4   | 61,930 | 3/4   | 72,290 | 3/4   | 82,651 | 3/4   | 93,011  |
| 1     | 333   | 1     | 10,381 | 1     | 20,741 | 1     | 31,073 | 1     | 41,425 | 1     | 51,785 | 1     | 62,146 | 1     | 72,506 | 1     | 82,866 | 1     | 93,227  |
| 1/4   | 481   | 1/4   | 10,596 | 1/4   | 20,956 | 1/4   | 31,288 | 1/4   | 41,640 | 1/4   | 52,001 | 1/4   | 62,361 | 1/4   | 72,722 | 1/4   | 83,082 | 1/4   | 93,443  |
| 1/2   | 629   | 1/2   | 10,812 | 1/2   | 21,172 | 1/2   | 31,502 | 1/2   | 41,856 | 1/2   | 52,217 | 1/2   | 62,577 | 1/2   | 72,938 | 1/2   | 83,298 | 1/2   | 93,669  |
| 3/4   | 777   | 3/4   | 11,028 | 3/4   | 21,388 | 3/4   | 31,717 | 3/4   | 42,072 | 3/4   | 52,433 | 3/4   | 62,793 | 3/4   | 73,153 | 3/4   | 83,514 | 3/4   | 93,874  |
| 2     | 925   | 2     | 11,244 | 2     | 21,604 | 2     | 32,288 | 2     | 42,288 | 2     | 52,648 | 2     | 63,009 | 2     | 73,369 | 2     | 83,730 | 2     | 94,090  |
| 1/4   | 1,132 | 1/4   | 11,460 | 1/4   | 21,820 | 1/4   | 32,448 | 1/4   | 42,504 | 1/4   | 52,864 | 1/4   | 63,225 | 1/4   | 73,585 | 1/4   | 83,946 | 1/4   | 94,306  |
| 1/2   | 1,338 | 1/2   | 11,676 | 1/2   | 22,036 | 1/2   | 32,663 | 1/2   | 42,720 | 1/2   | 53,080 | 1/2   | 63,441 | 1/2   | 73,801 | 1/2   | 84,161 | 1/2   | 94,522  |
| 3/4   | 1,545 | 3/4   | 11,891 | 3/4   | 22,251 | 3/4   | 32,878 | 3/4   | 42,935 | 3/4   | 53,296 | 3/4   | 63,656 | 3/4   | 74,017 | 3/4   | 84,377 | 3/4   | 94,738  |
| 3     | 1,751 | 3     | 12,107 | 3     | 22,467 | 3     | 33,093 | 3     | 43,151 | 3     | 53,512 | 3     | 63,872 | 3     | 74,233 | 3     | 84,593 | 3     | 94,954  |
| 1/4   | 1,966 | 1/4   | 12,323 | 1/4   | 22,683 | 1/4   | 33,308 | 1/4   | 43,367 | 1/4   | 53,728 | 1/4   | 64,088 | 1/4   | 74,449 | 1/4   | 84,809 | 1/4   | 95,169  |
| 1/2   | 2,181 | 1/2   | 12,539 | 1/2   | 22,899 | 1/2   | 33,524 | 1/2   | 43,583 | 1/2   | 53,943 | 1/2   | 64,304 | 1/2   | 74,664 | 1/2   | 85,025 | 1/2   | 95,385  |
| 3/4   | 2,396 | 3/4   | 12,755 | 3/4   | 23,115 | 3/4   | 33,739 | 3/4   | 43,799 | 3/4   | 54,159 | 3/4   | 64,520 | 3/4   | 74,880 | 3/4   | 85,241 | 3/4   | 95,601  |
| 4     | 2,611 | 4     | 12,971 | 4     | 23,331 | 4     | 33,954 | 4     | 44,015 | 4     | 54,375 | 4     | 64,736 | 4     | 75,096 | 4     | 85,457 | 4     | 95,817  |
| 1/4   | 2,827 | 1/4   | 13,186 | 1/4   | 23,546 | 1/4   | 33,870 | 1/4   | 44,231 | 1/4   | 54,591 | 1/4   | 64,951 | 1/4   | 75,312 | 1/4   | 85,672 | 1/4   | 96,033  |
| 1/2   | 3,043 | 1/2   | 13,402 | 1/2   | 23,762 | 1/2   | 34,086 | 1/2   | 44,446 | 1/2   | 54,807 | 1/2   | 65,167 | 1/2   | 75,528 | 1/2   | 85,888 | 1/2   | 96,249  |
| 3/4   | 3,258 | 3/4   | 13,618 | 3/4   | 23,978 | 3/4   | 34,302 | 3/4   | 44,662 | 3/4   | 55,023 | 3/4   | 65,383 | 3/4   | 75,744 | 3/4   | 86,104 | 3/4   | 96,464  |
| 5     | 3,474 | 5     | 13,834 | 5     | 24,194 | 5     | 34,518 | 5     | 44,878 | 5     | 55,239 | 5     | 65,599 | 5     | 75,959 | 5     | 86,320 | 5     | 96,680  |
| 1/4   | 3,690 | 1/4   | 14,050 | 1/4   | 24,409 | 1/4   | 34,733 | 1/4   | 45,094 | 1/4   | 55,454 | 1/4   | 65,815 | 1/4   | 76,175 | 1/4   | 86,536 | 1/4   | 96,896  |
| 1/2   | 3,906 | 1/2   | 14,266 | 1/2   | 24,625 | 1/2   | 34,949 | 1/2   | 45,310 | 1/2   | 55,670 | 1/2   | 66,031 | 1/2   | 76,391 | 1/2   | 86,752 | 1/2   | 97,112  |
| 3/4   | 4,121 | 3/4   | 14,481 | 3/4   | 24,841 | 3/4   | 35,165 | 3/4   | 45,526 | 3/4   | 55,886 | 3/4   | 66,246 | 3/4   | 76,607 | 3/4   | 86,967 | 3/4   | 97,328  |
| 6     | 4,337 | 6     | 14,697 | 6     | 25,056 | 6     | 35,381 | 6     | 45,741 | 6     | 56,102 | 6     | 66,462 | 6     | 76,823 | 6     | 87,183 | 6     | 97,544  |
| 1/4   | 4,553 | 1/4   | 14,913 | 1/4   | 25,271 | 1/4   | 35,597 | 1/4   | 45,957 | 1/4   | 56,318 | 1/4   | 66,678 | 1/4   | 77,039 | 1/4   | 87,399 | 1/4   | 97,760  |
| 1/2   | 4,769 | 1/2   | 15,129 | 1/2   | 25,486 | 1/2   | 35,813 | 1/2   | 46,173 | 1/2   | 56,534 | 1/2   | 66,894 | 1/2   | 77,254 | 1/2   | 87,615 | 1/2   | 97,975  |
| 3/4   | 4,985 | 3/4   | 15,345 | 3/4   | 25,701 | 3/4   | 36,028 | 3/4   | 46,389 | 3/4   | 56,749 | 3/4   | 67,110 | 3/4   | 77,470 | 3/4   | 87,831 | 3/4   | 98,191  |
| 7     | 5,200 | 7     | 15,561 | 7     | 25,916 | 7     | 36,244 | 7     | 46,605 | 7     | 56,965 | 7     | 67,326 | 7     | 77,686 | 7     | 88,047 | 7     | 98,407  |
| 1/4   | 5,416 | 1/4   | 15,776 | 1/4   | 26,131 | 1/4   | 36,460 | 1/4   | 46,821 | 1/4   | 57,181 | 1/4   | 67,542 | 1/4   | 77,902 | 1/4   | 88,262 | 1/4   | 98,623  |
| 1/2   | 5,632 | 1/2   | 15,992 | 1/2   | 26,345 | 1/2   | 36,676 | 1/2   | 47,036 | 1/2   | 57,397 | 1/2   | 67,757 | 1/2   | 78,118 | 1/2   | 88,478 | 1/2   | 98,839  |
| 3/4   | 5,848 | 3/4   | 16,208 | 3/4   | 26,560 | 3/4   | 36,892 | 3/4   | 47,252 | 3/4   | 57,613 | 3/4   | 67,973 | 3/4   | 78,334 | 3/4   | 88,694 | 3/4   | 99,055  |
| 8     | 6,064 | 8     | 16,424 | 8     | 26,775 | 8     | 37,108 | 8     | 47,468 | 8     | 57,829 | 8     | 68,189 | 8     | 78,550 | 8     | 88,910 | 8     | 99,270  |
| 1/4   | 6,280 | 1/4   | 16,640 | 1/4   | 26,990 | 1/4   | 37,324 | 1/4   | 47,684 | 1/4   | 58,044 | 1/4   | 68,405 | 1/4   | 78,765 | 1/4   | 89,126 | 1/4   | 99,486  |
| 1/2   | 6,496 | 1/2   | 16,856 | 1/2   | 27,205 | 1/2   | 37,539 | 1/2   | 47,900 | 1/2   | 58,260 | 1/2   | 68,621 | 1/2   | 78,981 | 1/2   | 89,342 | 1/2   | 99,702  |
| 3/4   | 6,711 | 3/4   | 17,071 | 3/4   | 27,420 | 3/4   | 37,755 | 3/4   | 48,116 | 3/4   | 58,476 | 3/4   | 68,837 | 3/4   | 79,197 | 3/4   | 89,558 | 3/4   | 99,918  |
| 9     | 6,927 | 9     | 17,287 | 9     | 27,635 | 9     | 37,971 | 9     | 48,332 | 9     | 58,692 | 9     | 69,052 | 9     | 79,413 | 9     | 89,773 | 9     | 100,134 |
| 1/4   | 7,143 | 1/4   | 17,503 | 1/4   | 27,850 | 1/4   | 38,187 | 1/4   | 48,547 | 1/4   | 58,908 | 1/4   | 69,268 | 1/4   | 79,629 | 1/4   | 89,989 | 1/4   | 100,350 |
| 1/2   | 7,359 | 1/2   | 17,719 | 1/2   | 28,064 | 1/2   | 38,403 | 1/2   | 48,763 | 1/2   | 59,124 | 1/2   | 69,484 | 1/2   | 79,845 | 1/2   | 90,205 | 1/2   | 100,566 |
| 3/4   | 7,575 | 3/4   | 17,935 | 3/4   | 28,279 | 3/4   | 38,619 | 3/4   | 48,979 | 3/4   | 59,340 | 3/4   | 69,700 | 3/4   | 80,060 | 3/4   | 90,421 | 3/4   | 100,781 |
| 10    | 7,791 | 10    | 18,151 | 10    | 28,494 | 10    | 38,834 | 10    | 49,195 | 10    | 59,555 | 10    | 69,916 | 10    | 80,276 | 10    | 90,637 | 10    | 100,997 |
| 1/4   | 8,006 | 1/4   | 18,366 | 1/4   | 28,709 | 1/4   | 39,050 | 1/4   | 49,411 | 1/4   | 59,771 | 1/4   | 70,132 | 1/4   | 80,492 | 1/4   | 90,853 | 1/4   | 101,213 |
| 1/2   | 8,222 | 1/2   | 18,582 | 1/2   | 28,924 | 1/2   | 39,266 | 1/2   | 49,627 | 1/2   | 59,987 | 1/2   | 70,348 | 1/2   | 80,708 | 1/2   | 91,068 | 1/2   | 101,429 |
| 3/4   | 8,438 | 3/4   | 18,798 | 3/4   | 29,139 | 3/4   | 39,482 | 3/4   | 49,842 | 3/4   | 60,203 | 3/4   | 70,563 | 3/4   | 80,924 | 3/4   | 91,284 | 3/4   | 101,645 |
| 11    | 8,654 | 11    | 19,014 | 11    | 29,354 | 11    | 39,698 | 11    | 50,058 | 11    | 60,419 | 11    | 70,779 | 11    | 81,140 | 11    | 91,500 | 11    | 101,861 |
| 1/4   | 8,870 | 1/4   | 19,230 | 1/4   | 29,569 | 1/4   | 39,914 | 1/4   | 50,274 | 1/4   | 60,635 | 1/4   | 70,995 | 1/4   | 81,355 | 1/4   | 91,716 | 1/4   | 102,076 |
| 1/2   | 9,086 | 1/2   | 19,446 | 1/2   | 29,783 | 1/2   | 40,130 | 1/2   | 50,490 | 1/2   | 60,850 | 1/2   | 71,211 | 1/2   | 81,571 | 1/2   | 91,932 | 1/2   | 102,292 |
| 3/4   | 9,301 | 3/4   | 19,661 | 3/4   | 29,998 | 3/4   | 40,345 | 3/4   | 50,706 | 3/4   | 61,066 | 3/4   | 71,427 | 3/4   | 81,787 | 3/4   | 92,148 | 3/4   | 102,508 |

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 24'-01" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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# BARGE "IB 1308"

## 3 CENTER INNAGE TABLE

GAUGE HEIGHT 16'-01 3/4"

| 10 FT. |         | 11 FT. |         | 12 FT. |         | 13 FT. |         | 14 FT. |         | 15 FT. |         | 16 FT. |     | 17 FT. |     | 18 FT. |     | 19 FT. |     |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|-----|--------|-----|--------|-----|--------|-----|
| IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT     | IN     | OUT | IN     | OUT | IN     | OUT | IN     | OUT |
| 0      | 102,724 | 0      | 113,084 | 0      | 123,445 | 0      | 133,805 | 0      | 144,166 | 0      | 154,508 | 0      | 0   | 0      | 0   | 0      | 0   | 0      | 0   |
| 1/4    | 102,940 | 1/4    | 113,300 | 1/4    | 123,661 | 1/4    | 134,021 | 1/4    | 144,382 | 1/4    | 154,734 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 103,156 | 1/2    | 113,516 | 1/2    | 123,877 | 1/2    | 134,237 | 1/2    | 144,597 | 1/2    | 154,949 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 103,371 | 3/4    | 113,732 | 3/4    | 124,092 | 3/4    | 134,453 | 3/4    | 144,813 | 3/4    | 155,165 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 1      | 103,587 | 1      | 113,948 | 1      | 124,308 | 1      | 134,669 | 1      | 145,029 | 1      | 155,381 | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   |
| 1/4    | 103,803 | 1/4    | 114,164 | 1/4    | 124,524 | 1/4    | 134,885 | 1/4    | 145,245 | 1/4    | 155,597 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 104,019 | 1/2    | 114,379 | 1/2    | 124,740 | 1/2    | 135,100 | 1/2    | 145,461 | 1/2    | 155,809 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 104,235 | 3/4    | 114,595 | 3/4    | 124,956 | 3/4    | 135,316 | 3/4    | 145,677 | 3/4    | 156,017 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 2      | 104,451 | 2      | 114,811 | 2      | 125,172 | 2      | 135,532 | 2      | 145,893 | 2      | 156,233 | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   |
| 1/4    | 104,667 | 1/4    | 115,027 | 1/4    | 125,387 | 1/4    | 135,748 | 1/4    | 146,108 | 1/4    | 156,449 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 104,882 | 1/2    | 115,243 | 1/2    | 125,603 | 1/2    | 135,964 | 1/2    | 146,324 | 1/2    | 156,665 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 105,098 | 3/4    | 115,459 | 3/4    | 125,819 | 3/4    | 136,180 | 3/4    | 146,540 | 3/4    | 156,881 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 3      | 105,314 | 3      | 115,675 | 3      | 126,035 | 3      | 136,395 | 3      | 146,756 | 3      | 157,097 | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   |
| 1/4    | 105,530 | 1/4    | 115,890 | 1/4    | 126,251 | 1/4    | 136,611 | 1/4    | 146,972 | 1/4    | 157,313 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 105,746 | 1/2    | 116,106 | 1/2    | 126,467 | 1/2    | 136,827 | 1/2    | 147,188 | 1/2    | 157,529 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 105,962 | 3/4    | 116,322 | 3/4    | 126,683 | 3/4    | 137,043 | 3/4    | 147,403 | 3/4    | 157,745 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 4      | 106,177 | 4      | 116,538 | 4      | 126,898 | 4      | 137,259 | 4      | 147,619 | 4      | 157,961 | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   |
| 1/4    | 106,393 | 1/4    | 116,754 | 1/4    | 127,114 | 1/4    | 137,475 | 1/4    | 147,835 | 1/4    | 158,177 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 106,609 | 1/2    | 116,970 | 1/2    | 127,330 | 1/2    | 137,690 | 1/2    | 148,051 | 1/2    | 158,393 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 106,825 | 3/4    | 117,185 | 3/4    | 127,546 | 3/4    | 137,906 | 3/4    | 148,267 | 3/4    | 158,609 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 5      | 107,041 | 5      | 117,401 | 5      | 127,762 | 5      | 138,122 | 5      | 148,483 | 5      | 158,825 | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   |
| 1/4    | 107,257 | 1/4    | 117,617 | 1/4    | 127,978 | 1/4    | 138,338 | 1/4    | 148,699 | 1/4    | 159,041 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 107,472 | 1/2    | 117,833 | 1/2    | 128,193 | 1/2    | 138,554 | 1/2    | 148,914 | 1/2    | 159,257 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 107,688 | 3/4    | 118,049 | 3/4    | 128,409 | 3/4    | 138,770 | 3/4    | 149,130 | 3/4    | 159,473 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 6      | 107,904 | 6      | 118,265 | 6      | 128,625 | 6      | 138,986 | 6      | 149,346 | 6      | 159,689 | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   |
| 1/4    | 108,120 | 1/4    | 118,481 | 1/4    | 128,841 | 1/4    | 139,201 | 1/4    | 149,562 | 1/4    | 159,905 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 108,336 | 1/2    | 118,696 | 1/2    | 129,057 | 1/2    | 139,417 | 1/2    | 149,778 | 1/2    | 160,121 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 108,552 | 3/4    | 118,912 | 3/4    | 129,273 | 3/4    | 139,633 | 3/4    | 149,994 | 3/4    | 160,337 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 7      | 108,768 | 7      | 119,128 | 7      | 129,488 | 7      | 139,849 | 7      | 150,209 | 7      | 160,553 | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   |
| 1/4    | 108,983 | 1/4    | 119,344 | 1/4    | 129,704 | 1/4    | 140,065 | 1/4    | 150,425 | 1/4    | 160,769 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 109,199 | 1/2    | 119,560 | 1/2    | 129,920 | 1/2    | 140,281 | 1/2    | 150,641 | 1/2    | 160,985 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 109,415 | 3/4    | 119,776 | 3/4    | 130,136 | 3/4    | 140,496 | 3/4    | 150,857 | 3/4    | 161,201 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 8      | 109,631 | 8      | 119,991 | 8      | 130,352 | 8      | 140,712 | 8      | 151,073 | 8      | 161,417 | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   |
| 1/4    | 109,847 | 1/4    | 120,207 | 1/4    | 130,568 | 1/4    | 140,928 | 1/4    | 151,289 | 1/4    | 161,633 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 110,063 | 1/2    | 120,423 | 1/2    | 130,784 | 1/2    | 141,144 | 1/2    | 151,504 | 1/2    | 161,849 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 110,278 | 3/4    | 120,639 | 3/4    | 130,999 | 3/4    | 141,360 | 3/4    | 151,720 | 3/4    | 162,065 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 9      | 110,494 | 9      | 120,855 | 9      | 131,215 | 9      | 141,576 | 9      | 151,936 | 9      | 162,281 | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   |
| 1/4    | 110,710 | 1/4    | 121,071 | 1/4    | 131,431 | 1/4    | 141,792 | 1/4    | 152,151 | 1/4    | 162,497 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 110,926 | 1/2    | 121,286 | 1/2    | 131,647 | 1/2    | 142,007 | 1/2    | 152,367 | 1/2    | 162,713 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 111,142 | 3/4    | 121,502 | 3/4    | 131,863 | 3/4    | 142,223 | 3/4    | 152,582 | 3/4    | 162,929 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 10     | 111,358 | 10     | 121,718 | 10     | 132,079 | 10     | 142,439 | 10     | 152,798 | 10     | 163,145 | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  |
| 1/4    | 111,574 | 1/4    | 121,934 | 1/4    | 132,294 | 1/4    | 142,655 | 1/4    | 153,014 | 1/4    | 163,361 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 111,789 | 1/2    | 122,150 | 1/2    | 132,510 | 1/2    | 142,871 | 1/2    | 153,223 | 1/2    | 163,577 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 112,005 | 3/4    | 122,366 | 3/4    | 132,726 | 3/4    | 143,087 | 3/4    | 153,436 | 3/4    | 163,793 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |
| 11     | 112,221 | 11     | 122,581 | 11     | 132,942 | 11     | 143,302 | 11     | 153,648 | 11     | 164,009 | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  |
| 1/4    | 112,437 | 1/4    | 122,797 | 1/4    | 133,158 | 1/4    | 143,518 | 1/4    | 153,863 | 1/4    | 164,225 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |
| 1/2    | 112,653 | 1/2    | 123,013 | 1/2    | 133,374 | 1/2    | 143,734 | 1/2    | 154,078 | 1/2    | 164,441 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |
| 3/4    | 112,869 | 3/4    | 123,229 | 3/4    | 133,589 | 3/4    | 143,950 | 3/4    | 154,218 | 3/4    | 164,657 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS  
 CALCULATED: 09/04/2019 CL  
 PRINTED: 09/04/2019 JS  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/20/19

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