

# BARGE "IB 1987"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

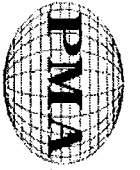
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

November 21, 2017

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

<http://www.pmacorp.net>



# BARGE "IB 1987"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

| IN  | 0 FT. | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0   | 26    | 0   | 10,168 | 0   | 22,160 | 0   | 33,993 | 0   | 45,874 | 0   | 57,860 | 0   | 69,828 | 0   | 81,820 | 0   | 93,811  | 0   | 105,803 |
| 1/4 | 68    | 1/4 | 10,418 | 1/4 | 22,410 | 1/4 | 34,236 | 1/4 | 46,124 | 1/4 | 58,109 | 1/4 | 70,078 | 1/4 | 82,070 | 1/4 | 94,061  | 1/4 | 106,053 |
| 1/2 | 110   | 1/2 | 10,667 | 1/2 | 22,660 | 1/2 | 34,479 | 1/2 | 46,373 | 1/2 | 58,358 | 1/2 | 70,327 | 1/2 | 82,319 | 1/2 | 94,311  | 1/2 | 106,303 |
| 3/4 | 152   | 3/4 | 10,917 | 3/4 | 22,910 | 3/4 | 34,722 | 3/4 | 46,623 | 3/4 | 58,608 | 3/4 | 70,577 | 3/4 | 82,569 | 3/4 | 94,561  | 3/4 | 106,552 |
| 1   | 193   | 1   | 11,167 | 1   | 23,160 | 1   | 34,965 | 1   | 46,873 | 1   | 58,857 | 1   | 70,827 | 1   | 82,819 | 1   | 94,811  | 1   | 106,802 |
| 1/4 | 285   | 1/4 | 11,417 | 1/4 | 23,409 | 1/4 | 35,208 | 1/4 | 47,123 | 1/4 | 59,106 | 1/4 | 71,077 | 1/4 | 83,069 | 1/4 | 95,060  | 1/4 | 107,052 |
| 1/2 | 377   | 1/2 | 11,667 | 1/2 | 23,659 | 1/2 | 35,452 | 1/2 | 47,372 | 1/2 | 59,355 | 1/2 | 71,327 | 1/2 | 83,319 | 1/2 | 95,310  | 1/2 | 107,302 |
| 3/4 | 469   | 3/4 | 11,917 | 3/4 | 23,909 | 3/4 | 35,695 | 3/4 | 47,622 | 3/4 | 59,604 | 3/4 | 71,577 | 3/4 | 83,569 | 3/4 | 95,560  | 3/4 | 107,552 |
| 2   | 561   | 2   | 12,167 | 2   | 24,159 | 2   | 35,938 | 2   | 47,872 | 2   | 59,854 | 2   | 71,826 | 2   | 83,818 | 2   | 95,810  | 2   | 107,802 |
| 1/4 | 725   | 1/4 | 12,416 | 1/4 | 24,409 | 1/4 | 36,181 | 1/4 | 48,121 | 1/4 | 60,103 | 1/4 | 72,076 | 1/4 | 84,068 | 1/4 | 96,060  | 1/4 | 108,051 |
| 1/2 | 889   | 1/2 | 12,666 | 1/2 | 24,659 | 1/2 | 36,424 | 1/2 | 48,371 | 1/2 | 60,352 | 1/2 | 72,326 | 1/2 | 84,318 | 1/2 | 96,309  | 1/2 | 108,301 |
| 3/4 | 1,053 | 3/4 | 12,916 | 3/4 | 24,908 | 3/4 | 36,668 | 3/4 | 48,621 | 3/4 | 60,601 | 3/4 | 72,576 | 3/4 | 84,568 | 3/4 | 96,559  | 3/4 | 108,551 |
| 3   | 1,218 | 3   | 13,166 | 3   | 25,158 | 3   | 36,911 | 3   | 48,871 | 3   | 60,851 | 3   | 72,826 | 3   | 84,818 | 3   | 96,809  | 3   | 108,801 |
| 1/4 | 1,455 | 1/4 | 13,416 | 1/4 | 25,408 | 1/4 | 37,154 | 1/4 | 49,120 | 1/4 | 61,100 | 1/4 | 73,076 | 1/4 | 85,068 | 1/4 | 97,059  | 1/4 | 109,051 |
| 1/2 | 1,692 | 1/2 | 13,666 | 1/2 | 25,658 | 1/2 | 37,397 | 1/2 | 49,370 | 1/2 | 61,349 | 1/2 | 73,325 | 1/2 | 85,317 | 1/2 | 97,309  | 1/2 | 109,300 |
| 3/4 | 1,929 | 3/4 | 13,915 | 3/4 | 25,908 | 3/4 | 37,640 | 3/4 | 49,620 | 3/4 | 61,598 | 3/4 | 73,575 | 3/4 | 85,567 | 3/4 | 97,559  | 3/4 | 109,550 |
| 4   | 2,166 | 4   | 14,165 | 4   | 26,158 | 4   | 37,884 | 4   | 49,869 | 4   | 61,848 | 4   | 73,825 | 4   | 85,817 | 4   | 97,808  | 4   | 109,800 |
| 1/4 | 2,416 | 1/4 | 14,415 | 1/4 | 26,408 | 1/4 | 38,133 | 1/4 | 50,119 | 1/4 | 62,097 | 1/4 | 74,075 | 1/4 | 86,057 | 1/4 | 98,058  | 1/4 | 110,050 |
| 1/2 | 2,665 | 1/2 | 14,665 | 1/2 | 26,657 | 1/2 | 38,383 | 1/2 | 50,369 | 1/2 | 62,346 | 1/2 | 74,325 | 1/2 | 86,317 | 1/2 | 98,308  | 1/2 | 110,300 |
| 3/4 | 2,915 | 3/4 | 14,915 | 3/4 | 26,907 | 3/4 | 38,633 | 3/4 | 50,618 | 3/4 | 62,595 | 3/4 | 74,575 | 3/4 | 86,567 | 3/4 | 98,558  | 3/4 | 110,550 |
| 5   | 3,165 | 5   | 15,165 | 5   | 27,157 | 5   | 38,882 | 5   | 50,868 | 5   | 62,845 | 5   | 74,824 | 5   | 86,816 | 5   | 98,808  | 5   | 110,799 |
| 1/4 | 3,415 | 1/4 | 15,414 | 1/4 | 27,407 | 1/4 | 39,132 | 1/4 | 51,118 | 1/4 | 63,094 | 1/4 | 75,072 | 1/4 | 87,066 | 1/4 | 99,057  | 1/4 | 111,049 |
| 1/2 | 3,665 | 1/2 | 15,664 | 1/2 | 27,657 | 1/2 | 39,382 | 1/2 | 51,368 | 1/2 | 63,343 | 1/2 | 75,324 | 1/2 | 87,316 | 1/2 | 99,307  | 1/2 | 111,299 |
| 3/4 | 3,916 | 3/4 | 15,914 | 3/4 | 27,907 | 3/4 | 39,631 | 3/4 | 51,617 | 3/4 | 63,592 | 3/4 | 75,574 | 3/4 | 87,566 | 3/4 | 99,557  | 3/4 | 111,549 |
| 6   | 4,166 | 6   | 16,164 | 6   | 28,156 | 6   | 39,881 | 6   | 51,867 | 6   | 63,841 | 6   | 75,824 | 6   | 87,816 | 6   | 99,807  | 6   | 111,799 |
| 1/4 | 4,416 | 1/4 | 16,414 | 1/4 | 28,400 | 1/4 | 40,131 | 1/4 | 52,117 | 1/4 | 64,091 | 1/4 | 76,074 | 1/4 | 88,066 | 1/4 | 100,057 | 1/4 | 112,049 |
| 1/2 | 4,666 | 1/2 | 16,664 | 1/2 | 28,643 | 1/2 | 40,381 | 1/2 | 52,366 | 1/2 | 64,340 | 1/2 | 76,323 | 1/2 | 88,315 | 1/2 | 100,307 | 1/2 | 112,298 |
| 3/4 | 4,917 | 3/4 | 16,914 | 3/4 | 28,886 | 3/4 | 40,630 | 3/4 | 52,616 | 3/4 | 64,589 | 3/4 | 76,573 | 3/4 | 88,565 | 3/4 | 100,556 | 3/4 | 112,548 |
| 7   | 5,167 | 7   | 17,163 | 7   | 29,129 | 7   | 40,880 | 7   | 52,866 | 7   | 64,838 | 7   | 76,823 | 7   | 88,815 | 7   | 100,806 | 7   | 112,798 |
| 1/4 | 5,417 | 1/4 | 17,413 | 1/4 | 29,372 | 1/4 | 41,130 | 1/4 | 53,115 | 1/4 | 65,088 | 1/4 | 77,073 | 1/4 | 89,065 | 1/4 | 101,056 | 1/4 | 113,048 |
| 1/2 | 5,667 | 1/2 | 17,663 | 1/2 | 29,615 | 1/2 | 41,379 | 1/2 | 53,365 | 1/2 | 65,337 | 1/2 | 77,323 | 1/2 | 89,315 | 1/2 | 101,306 | 1/2 | 113,298 |
| 3/4 | 5,918 | 3/4 | 17,913 | 3/4 | 29,859 | 3/4 | 41,629 | 3/4 | 53,615 | 3/4 | 65,586 | 3/4 | 77,573 | 3/4 | 89,565 | 3/4 | 101,556 | 3/4 | 113,548 |
| 8   | 6,168 | 8   | 18,163 | 8   | 30,102 | 8   | 41,879 | 8   | 53,865 | 8   | 65,835 | 8   | 77,822 | 8   | 89,814 | 8   | 101,806 | 8   | 113,797 |
| 1/4 | 6,418 | 1/4 | 18,413 | 1/4 | 30,345 | 1/4 | 42,129 | 1/4 | 54,114 | 1/4 | 66,085 | 1/4 | 78,072 | 1/4 | 90,064 | 1/4 | 102,055 | 1/4 | 114,047 |
| 1/2 | 6,668 | 1/2 | 18,662 | 1/2 | 30,588 | 1/2 | 42,378 | 1/2 | 54,364 | 1/2 | 66,334 | 1/2 | 78,322 | 1/2 | 90,314 | 1/2 | 102,305 | 1/2 | 114,297 |
| 3/4 | 6,917 | 3/4 | 18,912 | 3/4 | 30,831 | 3/4 | 42,628 | 3/4 | 54,614 | 3/4 | 66,583 | 3/4 | 78,572 | 3/4 | 90,564 | 3/4 | 102,555 | 3/4 | 114,547 |
| 9   | 7,167 | 9   | 19,162 | 9   | 31,074 | 9   | 42,878 | 9   | 54,863 | 9   | 66,832 | 9   | 78,822 | 9   | 90,814 | 9   | 102,805 | 9   | 114,797 |
| 1/4 | 7,418 | 1/4 | 19,412 | 1/4 | 31,318 | 1/4 | 43,127 | 1/4 | 55,113 | 1/4 | 67,081 | 1/4 | 79,072 | 1/4 | 91,064 | 1/4 | 103,055 | 1/4 | 115,047 |
| 1/2 | 7,668 | 1/2 | 19,662 | 1/2 | 31,561 | 1/2 | 43,377 | 1/2 | 55,363 | 1/2 | 67,331 | 1/2 | 79,321 | 1/2 | 91,313 | 1/2 | 103,305 | 1/2 | 115,296 |
| 3/4 | 7,918 | 3/4 | 19,912 | 3/4 | 31,804 | 3/4 | 43,627 | 3/4 | 55,613 | 3/4 | 67,580 | 3/4 | 79,571 | 3/4 | 91,563 | 3/4 | 103,554 | 3/4 | 115,546 |
| 10  | 8,168 | 10  | 20,161 | 10  | 32,047 | 10  | 43,876 | 10  | 55,862 | 10  | 67,829 | 10  | 79,821 | 10  | 91,813 | 10  | 103,804 | 10  | 115,796 |
| 1/4 | 8,418 | 1/4 | 20,411 | 1/4 | 32,290 | 1/4 | 44,126 | 1/4 | 56,112 | 1/4 | 68,079 | 1/4 | 80,071 | 1/4 | 92,063 | 1/4 | 104,054 | 1/4 | 116,046 |
| 1/2 | 8,668 | 1/2 | 20,661 | 1/2 | 32,534 | 1/2 | 44,376 | 1/2 | 56,362 | 1/2 | 68,329 | 1/2 | 80,321 | 1/2 | 92,313 | 1/2 | 104,304 | 1/2 | 116,296 |
| 3/4 | 8,918 | 3/4 | 20,911 | 3/4 | 32,777 | 3/4 | 44,626 | 3/4 | 56,611 | 3/4 | 68,579 | 3/4 | 80,571 | 3/4 | 92,562 | 3/4 | 104,554 | 3/4 | 116,546 |
| 11  | 9,168 | 11  | 21,161 | 11  | 33,020 | 11  | 44,875 | 11  | 56,861 | 11  | 68,829 | 11  | 80,820 | 11  | 92,812 | 11  | 104,804 | 11  | 116,795 |
| 1/4 | 9,418 | 1/4 | 21,411 | 1/4 | 33,263 | 1/4 | 45,125 | 1/4 | 57,111 | 1/4 | 69,078 | 1/4 | 81,070 | 1/4 | 93,062 | 1/4 | 105,053 | 1/4 | 117,046 |
| 1/2 | 9,668 | 1/2 | 21,661 | 1/2 | 33,506 | 1/2 | 45,375 | 1/2 | 57,360 | 1/2 | 69,328 | 1/2 | 81,320 | 1/2 | 93,312 | 1/2 | 105,303 | 1/2 | 117,296 |
| 3/4 | 9,918 | 3/4 | 21,910 | 3/4 | 33,749 | 3/4 | 45,624 | 3/4 | 57,610 | 3/4 | 69,578 | 3/4 | 81,570 | 3/4 | 93,562 | 3/4 | 105,553 | 3/4 | 117,546 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

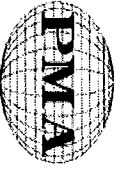
PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmaacorp.net

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'-06" FORWARD OF AFT BULKHEAD



# BARGE "IB 1987"

## 1 CENTER INNAGE TABLE


GAUGE HEIGHT 15'-03 1/4"

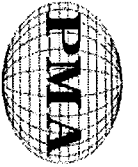
| CAPACITIES GIVEN IN WHOLE GALLONS |         | 11 FT. |         | 12 FT. |         | 13 FT. |         | 14 FT. |         | 15 FT. |         | 16 FT. |         | 17 FT. |         | 18 FT. |         | 19 FT. |         |
|-----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| IN                                | 10 FT.  | IN     | 11 FT.  | IN     | 12 FT.  | IN     | 13 FT.  | IN     | 14 FT.  | IN     | 15 FT.  | IN     | 16 FT.  | IN     | 17 FT.  | IN     | 18 FT.  | IN     | 19 FT.  |
| 0                                 | 117,797 | 0      | 128,397 | 0      | 136,165 | 0      | 143,933 | 0      | 151,692 | 0      | 159,460 | 0      | 167,228 | 0      | 174,996 | 0      | 182,764 | 0      | 190,532 |
| 1/4                               | 118,047 | 1/4    | 128,559 | 1/4    | 136,327 | 1/4    | 144,095 | 1/4    | 151,830 | 1/4    | 159,598 | 1/4    | 167,366 | 1/4    | 175,134 | 1/4    | 182,902 | 1/4    | 190,670 |
| 1/2                               | 118,297 | 1/2    | 128,720 | 1/2    | 136,488 | 1/2    | 144,256 | 1/2    | 152,024 | 1/2    | 159,792 | 1/2    | 167,560 | 1/2    | 175,328 | 1/2    | 183,096 | 1/2    | 190,864 |
| 3/4                               | 118,548 | 3/4    | 128,842 | 3/4    | 136,650 | 3/4    | 144,418 | 3/4    | 152,186 | 3/4    | 159,954 | 3/4    | 167,722 | 3/4    | 175,490 | 3/4    | 183,258 | 3/4    | 191,026 |
| 1                                 | 118,798 | 1      | 129,044 | 1      | 136,812 | 1      | 144,580 | 1      | 152,348 | 1      | 160,116 | 1      | 167,884 | 1      | 175,652 | 1      | 183,420 | 1      | 191,188 |
| 1/4                               | 119,048 | 1/4    | 129,206 | 1/4    | 136,974 | 1/4    | 144,742 | 1/4    | 152,510 | 1/4    | 160,278 | 1/4    | 168,046 | 1/4    | 175,814 | 1/4    | 183,582 | 1/4    | 191,350 |
| 1/2                               | 119,299 | 1/2    | 129,358 | 1/2    | 137,126 | 1/2    | 144,894 | 1/2    | 152,662 | 1/2    | 160,430 | 1/2    | 168,198 | 1/2    | 175,966 | 1/2    | 183,734 | 1/2    | 191,502 |
| 3/4                               | 119,549 | 3/4    | 129,530 | 3/4    | 137,298 | 3/4    | 145,066 | 3/4    | 152,834 | 3/4    | 160,602 | 3/4    | 168,370 | 3/4    | 176,138 | 3/4    | 183,906 | 3/4    | 191,674 |
| 2                                 | 119,799 | 2      | 129,691 | 2      | 137,459 | 2      | 145,227 | 2      | 152,995 | 2      | 160,764 | 2      | 168,532 | 2      | 176,300 | 2      | 184,068 | 2      | 191,836 |
| 1/4                               | 120,050 | 1/4    | 129,853 | 1/4    | 137,621 | 1/4    | 145,389 | 1/4    | 152,535 | 1/4    | 160,286 | 1/4    | 168,037 | 1/4    | 175,788 | 1/4    | 183,539 | 1/4    | 191,290 |
| 1/2                               | 120,300 | 1/2    | 130,015 | 1/2    | 137,783 | 1/2    | 145,551 | 1/2    | 152,598 | 1/2    | 160,349 | 1/2    | 168,100 | 1/2    | 175,851 | 1/2    | 183,602 | 1/2    | 191,352 |
| 3/4                               | 120,550 | 3/4    | 130,177 | 3/4    | 137,945 | 3/4    | 145,713 | 3/4    | 152,660 | 3/4    | 160,417 | 3/4    | 168,168 | 3/4    | 175,919 | 3/4    | 183,670 | 3/4    | 191,413 |
| 3                                 | 120,801 | 3      | 130,339 | 3      | 138,107 | 3      | 145,875 | 3      | 152,723 | 3      | 160,481 | 3      | 168,232 | 3      | 175,983 | 3      | 183,734 | 3      | 191,484 |
| 1/4                               | 121,051 | 1/4    | 130,501 | 1/4    | 138,269 | 1/4    | 146,037 | 1/4    | 152,733 | 1/4    | 160,489 | 1/4    | 168,240 | 1/4    | 175,991 | 1/4    | 183,742 | 1/4    | 191,495 |
| 1/2                               | 121,301 | 1/2    | 130,662 | 1/2    | 138,430 | 1/2    | 146,198 | 1/2    | 152,841 | 1/2    | 160,597 | 1/2    | 168,348 | 1/2    | 176,099 | 1/2    | 183,850 | 1/2    | 191,606 |
| 3/4                               | 121,552 | 3/4    | 130,824 | 3/4    | 138,592 | 3/4    | 146,360 | 3/4    | 152,903 | 3/4    | 160,659 | 3/4    | 168,410 | 3/4    | 176,161 | 3/4    | 183,912 | 3/4    | 191,667 |
| 4                                 | 121,802 | 4      | 130,986 | 4      | 138,754 | 4      | 146,522 | 4      | 152,957 | 4      | 160,713 | 4      | 168,464 | 4      | 176,215 | 4      | 183,964 | 4      | 191,718 |
| 1/4                               | 122,052 | 1/4    | 131,148 | 1/4    | 138,916 | 1/4    | 146,684 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 122,303 | 1/2    | 131,310 | 1/2    | 139,078 | 1/2    | 146,846 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 122,553 | 3/4    | 131,472 | 3/4    | 139,240 | 3/4    | 147,008 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 5                                 | 122,803 | 5      | 131,633 | 5      | 139,401 | 5      | 147,169 | 5      | 152,960 | 5      | 160,767 | 5      | 168,518 | 5      | 176,270 | 5      | 184,021 | 5      | 191,771 |
| 1/4                               | 123,054 | 1/4    | 131,795 | 1/4    | 139,563 | 1/4    | 147,331 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 123,304 | 1/2    | 131,957 | 1/2    | 139,725 | 1/2    | 147,493 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 123,554 | 3/4    | 132,119 | 3/4    | 139,887 | 3/4    | 147,655 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 6                                 | 123,805 | 6      | 132,281 | 6      | 140,049 | 6      | 147,817 | 6      | 152,960 | 6      | 160,767 | 6      | 168,518 | 6      | 176,270 | 6      | 184,021 | 6      | 191,771 |
| 1/4                               | 124,055 | 1/4    | 132,443 | 1/4    | 140,211 | 1/4    | 147,979 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 124,305 | 1/2    | 132,604 | 1/2    | 140,372 | 1/2    | 148,140 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 124,556 | 3/4    | 132,766 | 3/4    | 140,534 | 3/4    | 148,302 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 7                                 | 124,806 | 7      | 132,928 | 7      | 140,696 | 7      | 148,464 | 7      | 152,960 | 7      | 160,767 | 7      | 168,518 | 7      | 176,270 | 7      | 184,021 | 7      | 191,771 |
| 1/4                               | 125,056 | 1/4    | 133,090 | 1/4    | 140,858 | 1/4    | 148,626 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 125,307 | 1/2    | 133,252 | 1/2    | 141,020 | 1/2    | 148,788 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 125,557 | 3/4    | 133,414 | 3/4    | 141,182 | 3/4    | 148,950 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 8                                 | 125,807 | 8      | 133,575 | 8      | 141,343 | 8      | 149,111 | 8      | 152,960 | 8      | 160,767 | 8      | 168,518 | 8      | 176,270 | 8      | 184,021 | 8      | 191,771 |
| 1/4                               | 126,057 | 1/4    | 133,737 | 1/4    | 141,505 | 1/4    | 149,273 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 126,307 | 1/2    | 133,899 | 1/2    | 141,667 | 1/2    | 149,435 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 126,557 | 3/4    | 134,061 | 3/4    | 141,829 | 3/4    | 149,597 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 9                                 | 126,807 | 9      | 134,223 | 9      | 141,991 | 9      | 149,759 | 9      | 152,960 | 9      | 160,767 | 9      | 168,518 | 9      | 176,270 | 9      | 184,021 | 9      | 191,771 |
| 1/4                               | 126,817 | 1/4    | 134,385 | 1/4    | 142,153 | 1/4    | 149,921 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 126,778 | 1/2    | 134,546 | 1/2    | 142,314 | 1/2    | 150,082 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 126,940 | 3/4    | 134,708 | 3/4    | 142,476 | 3/4    | 150,244 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 10                                | 127,102 | 10     | 134,870 | 10     | 142,638 | 10     | 150,406 | 10     | 152,960 | 10     | 160,767 | 10     | 168,518 | 10     | 176,270 | 10     | 184,021 | 10     | 191,771 |
| 1/4                               | 127,264 | 1/4    | 135,032 | 1/4    | 142,800 | 1/4    | 150,567 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 127,426 | 1/2    | 135,194 | 1/2    | 142,962 | 1/2    | 150,729 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 127,588 | 3/4    | 135,356 | 3/4    | 143,124 | 3/4    | 150,890 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |
| 11                                | 127,749 | 11     | 135,517 | 11     | 143,285 | 11     | 151,052 | 11     | 152,960 | 11     | 160,767 | 11     | 168,518 | 11     | 176,270 | 11     | 184,021 | 11     | 191,771 |
| 1/4                               | 127,911 | 1/4    | 135,679 | 1/4    | 143,447 | 1/4    | 151,212 | 1/4    | 152,960 | 1/4    | 160,767 | 1/4    | 168,518 | 1/4    | 176,270 | 1/4    | 184,021 | 1/4    | 191,771 |
| 1/2                               | 128,073 | 1/2    | 135,841 | 1/2    | 143,609 | 1/2    | 151,372 | 1/2    | 152,960 | 1/2    | 160,767 | 1/2    | 168,518 | 1/2    | 176,270 | 1/2    | 184,021 | 1/2    | 191,771 |
| 3/4                               | 128,235 | 3/4    | 136,003 | 3/4    | 143,771 | 3/4    | 151,532 | 3/4    | 152,960 | 3/4    | 160,767 | 3/4    | 168,518 | 3/4    | 176,270 | 3/4    | 184,021 | 3/4    | 191,771 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2017 SW  
CALCULATED: 11/21/2017 CL  
PRINTED: 11/21/2017 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2017

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





# BARGE "IB 1987"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN  | 0 FT. | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0   | 26    | 0   | 10,105 | 0   | 21,638 | 0   | 33,001 | 0   | 44,421 | 0   | 55,954 | 0   | 67,487 | 0   | 79,020 | 0   | 90,552  | 0   | 102,085 |
| 1/4 | 66    | 1/4 | 10,346 | 1/4 | 21,878 | 1/4 | 33,234 | 1/4 | 44,661 | 1/4 | 56,194 | 1/4 | 67,727 | 1/4 | 79,260 | 1/4 | 90,792  | 1/4 | 102,325 |
| 1/2 | 106   | 1/2 | 10,586 | 1/2 | 22,118 | 1/2 | 33,467 | 1/2 | 44,902 | 1/2 | 56,434 | 1/2 | 67,967 | 1/2 | 79,500 | 1/2 | 91,033  | 1/2 | 102,566 |
| 3/4 | 146   | 3/4 | 10,826 | 3/4 | 22,359 | 3/4 | 33,700 | 3/4 | 45,142 | 3/4 | 56,675 | 3/4 | 68,207 | 3/4 | 79,740 | 3/4 | 91,273  | 3/4 | 102,806 |
| 1   | 186   | 1   | 11,066 | 1   | 22,599 | 1   | 33,934 | 1   | 45,382 | 1   | 56,915 | 1   | 68,448 | 1   | 79,980 | 1   | 91,513  | 1   | 103,046 |
| 1/4 | 307   | 1/4 | 11,307 | 1/4 | 22,839 | 1/4 | 34,167 | 1/4 | 45,622 | 1/4 | 57,155 | 1/4 | 68,688 | 1/4 | 80,221 | 1/4 | 91,754  | 1/4 | 103,286 |
| 1/2 | 427   | 1/2 | 11,547 | 1/2 | 23,079 | 1/2 | 34,400 | 1/2 | 45,863 | 1/2 | 57,395 | 1/2 | 68,928 | 1/2 | 80,451 | 1/2 | 91,994  | 1/2 | 103,527 |
| 3/4 | 547   | 3/4 | 11,787 | 3/4 | 23,320 | 3/4 | 34,633 | 3/4 | 46,103 | 3/4 | 57,636 | 3/4 | 69,168 | 3/4 | 80,701 | 3/4 | 92,234  | 3/4 | 103,767 |
| 2   | 667   | 2   | 12,028 | 2   | 23,560 | 2   | 34,866 | 2   | 46,343 | 2   | 57,876 | 2   | 69,409 | 2   | 80,942 | 2   | 92,474  | 2   | 104,007 |
| 1/4 | 867   | 1/4 | 12,268 | 1/4 | 23,800 | 1/4 | 35,100 | 1/4 | 46,583 | 1/4 | 58,116 | 1/4 | 69,649 | 1/4 | 81,182 | 1/4 | 92,715  | 1/4 | 104,247 |
| 1/2 | 1,067 | 1/2 | 12,508 | 1/2 | 24,040 | 1/2 | 35,333 | 1/2 | 46,824 | 1/2 | 58,356 | 1/2 | 69,889 | 1/2 | 81,422 | 1/2 | 92,955  | 1/2 | 104,488 |
| 3/4 | 1,267 | 3/4 | 12,748 | 3/4 | 24,281 | 3/4 | 35,566 | 3/4 | 47,064 | 3/4 | 58,597 | 3/4 | 70,130 | 3/4 | 81,662 | 3/4 | 93,196  | 3/4 | 104,728 |
| 3   | 1,467 | 3   | 12,989 | 3   | 24,521 | 3   | 35,799 | 3   | 47,304 | 3   | 58,837 | 3   | 70,370 | 3   | 81,903 | 3   | 93,435  | 3   | 104,968 |
| 1/4 | 1,706 | 1/4 | 13,229 | 1/4 | 24,761 | 1/4 | 36,033 | 1/4 | 47,544 | 1/4 | 59,077 | 1/4 | 70,610 | 1/4 | 82,143 | 1/4 | 93,676  | 1/4 | 105,208 |
| 1/2 | 1,944 | 1/2 | 13,469 | 1/2 | 25,001 | 1/2 | 36,266 | 1/2 | 47,785 | 1/2 | 59,318 | 1/2 | 70,850 | 1/2 | 82,383 | 1/2 | 93,916  | 1/2 | 105,449 |
| 3/4 | 2,182 | 3/4 | 13,709 | 3/4 | 25,242 | 3/4 | 36,499 | 3/4 | 48,025 | 3/4 | 59,558 | 3/4 | 71,091 | 3/4 | 82,623 | 3/4 | 94,156  | 3/4 | 105,689 |
| 4   | 2,420 | 4   | 13,950 | 4   | 25,482 | 4   | 36,732 | 4   | 48,265 | 4   | 59,798 | 4   | 71,331 | 4   | 82,864 | 4   | 94,396  | 4   | 105,929 |
| 1/4 | 2,660 | 1/4 | 14,190 | 1/4 | 25,722 | 1/4 | 36,973 | 1/4 | 48,506 | 1/4 | 60,038 | 1/4 | 71,571 | 1/4 | 83,104 | 1/4 | 94,637  | 1/4 | 106,170 |
| 1/2 | 2,899 | 1/2 | 14,430 | 1/2 | 25,962 | 1/2 | 37,213 | 1/2 | 48,746 | 1/2 | 60,279 | 1/2 | 71,811 | 1/2 | 83,344 | 1/2 | 94,877  | 1/2 | 106,410 |
| 3/4 | 3,139 | 3/4 | 14,670 | 3/4 | 26,203 | 3/4 | 37,453 | 3/4 | 48,986 | 3/4 | 60,519 | 3/4 | 72,052 | 3/4 | 83,584 | 3/4 | 95,117  | 3/4 | 106,650 |
| 5   | 3,379 | 5   | 14,911 | 5   | 26,443 | 5   | 37,694 | 5   | 49,226 | 5   | 60,759 | 5   | 72,292 | 5   | 83,825 | 5   | 95,358  | 5   | 106,890 |
| 1/4 | 3,619 | 1/4 | 15,151 | 1/4 | 26,683 | 1/4 | 37,934 | 1/4 | 49,467 | 1/4 | 60,999 | 1/4 | 72,532 | 1/4 | 84,065 | 1/4 | 95,598  | 1/4 | 107,131 |
| 1/2 | 3,859 | 1/2 | 15,391 | 1/2 | 26,923 | 1/2 | 38,174 | 1/2 | 49,707 | 1/2 | 61,240 | 1/2 | 72,772 | 1/2 | 84,305 | 1/2 | 95,838  | 1/2 | 107,371 |
| 3/4 | 4,099 | 3/4 | 15,631 | 3/4 | 27,164 | 3/4 | 38,414 | 3/4 | 49,947 | 3/4 | 61,480 | 3/4 | 73,013 | 3/4 | 84,546 | 3/4 | 96,078  | 3/4 | 107,611 |
| 6   | 4,339 | 6   | 15,872 | 6   | 27,404 | 6   | 38,655 | 6   | 50,187 | 6   | 61,720 | 6   | 73,253 | 6   | 84,786 | 6   | 96,319  | 6   | 107,851 |
| 1/4 | 4,580 | 1/4 | 16,112 | 1/4 | 27,647 | 1/4 | 38,895 | 1/4 | 50,428 | 1/4 | 61,960 | 1/4 | 73,493 | 1/4 | 85,026 | 1/4 | 96,559  | 1/4 | 108,092 |
| 1/2 | 4,820 | 1/2 | 16,352 | 1/2 | 27,870 | 1/2 | 39,135 | 1/2 | 50,668 | 1/2 | 62,201 | 1/2 | 73,734 | 1/2 | 85,266 | 1/2 | 96,799  | 1/2 | 108,332 |
| 3/4 | 5,060 | 3/4 | 16,592 | 3/4 | 28,104 | 3/4 | 39,376 | 3/4 | 50,908 | 3/4 | 62,441 | 3/4 | 73,974 | 3/4 | 85,507 | 3/4 | 97,039  | 3/4 | 108,572 |
| 7   | 5,300 | 7   | 16,833 | 7   | 28,337 | 7   | 39,616 | 7   | 51,148 | 7   | 62,681 | 7   | 74,214 | 7   | 85,747 | 7   | 97,280  | 7   | 108,812 |
| 1/4 | 5,541 | 1/4 | 17,073 | 1/4 | 28,570 | 1/4 | 39,856 | 1/4 | 51,389 | 1/4 | 62,922 | 1/4 | 74,454 | 1/4 | 85,987 | 1/4 | 97,520  | 1/4 | 109,053 |
| 1/2 | 5,781 | 1/2 | 17,313 | 1/2 | 28,803 | 1/2 | 40,096 | 1/2 | 51,629 | 1/2 | 63,162 | 1/2 | 74,695 | 1/2 | 86,227 | 1/2 | 97,760  | 1/2 | 109,293 |
| 3/4 | 6,021 | 3/4 | 17,553 | 3/4 | 29,036 | 3/4 | 40,336 | 3/4 | 51,869 | 3/4 | 63,402 | 3/4 | 74,935 | 3/4 | 86,468 | 3/4 | 98,000  | 3/4 | 109,533 |
| 8   | 6,261 | 8   | 17,794 | 8   | 29,270 | 8   | 40,577 | 8   | 52,110 | 8   | 63,642 | 8   | 75,175 | 8   | 86,708 | 8   | 98,241  | 8   | 109,774 |
| 1/4 | 6,502 | 1/4 | 18,034 | 1/4 | 29,503 | 1/4 | 40,817 | 1/4 | 52,350 | 1/4 | 63,883 | 1/4 | 75,415 | 1/4 | 86,948 | 1/4 | 98,481  | 1/4 | 110,014 |
| 1/2 | 6,742 | 1/2 | 18,274 | 1/2 | 29,736 | 1/2 | 41,057 | 1/2 | 52,590 | 1/2 | 64,123 | 1/2 | 75,656 | 1/2 | 87,188 | 1/2 | 98,721  | 1/2 | 110,254 |
| 3/4 | 6,982 | 3/4 | 18,514 | 3/4 | 29,969 | 3/4 | 41,298 | 3/4 | 52,830 | 3/4 | 64,363 | 3/4 | 75,896 | 3/4 | 87,429 | 3/4 | 98,962  | 3/4 | 110,494 |
| 9   | 7,222 | 9   | 18,755 | 9   | 30,202 | 9   | 41,538 | 9   | 53,071 | 9   | 64,603 | 9   | 76,136 | 9   | 87,669 | 9   | 99,202  | 9   | 110,735 |
| 1/4 | 7,463 | 1/4 | 18,995 | 1/4 | 30,436 | 1/4 | 41,778 | 1/4 | 53,311 | 1/4 | 64,844 | 1/4 | 76,376 | 1/4 | 87,909 | 1/4 | 99,442  | 1/4 | 110,975 |
| 1/2 | 7,703 | 1/2 | 19,235 | 1/2 | 30,669 | 1/2 | 42,018 | 1/2 | 53,551 | 1/2 | 65,084 | 1/2 | 76,617 | 1/2 | 88,150 | 1/2 | 99,682  | 1/2 | 111,215 |
| 3/4 | 7,943 | 3/4 | 19,475 | 3/4 | 30,902 | 3/4 | 42,259 | 3/4 | 53,791 | 3/4 | 65,324 | 3/4 | 76,857 | 3/4 | 88,390 | 3/4 | 99,923  | 3/4 | 111,455 |
| 10  | 8,183 | 10  | 19,716 | 10  | 31,135 | 10  | 42,499 | 10  | 54,032 | 10  | 65,564 | 10  | 77,097 | 10  | 88,630 | 10  | 100,163 | 10  | 111,696 |
| 1/4 | 8,424 | 1/4 | 19,956 | 1/4 | 31,368 | 1/4 | 42,739 | 1/4 | 54,272 | 1/4 | 65,805 | 1/4 | 77,338 | 1/4 | 88,870 | 1/4 | 100,403 | 1/4 | 111,936 |
| 1/2 | 8,664 | 1/2 | 20,196 | 1/2 | 31,602 | 1/2 | 42,979 | 1/2 | 54,512 | 1/2 | 66,045 | 1/2 | 77,578 | 1/2 | 89,111 | 1/2 | 100,643 | 1/2 | 112,176 |
| 3/4 | 8,904 | 3/4 | 20,437 | 3/4 | 31,835 | 3/4 | 43,220 | 3/4 | 54,752 | 3/4 | 66,285 | 3/4 | 77,818 | 3/4 | 89,351 | 3/4 | 100,884 | 3/4 | 112,416 |
| 11  | 9,144 | 11  | 20,677 | 11  | 32,068 | 11  | 43,460 | 11  | 54,993 | 11  | 66,526 | 11  | 78,058 | 11  | 89,591 | 11  | 101,124 | 11  | 112,657 |
| 1/4 | 9,385 | 1/4 | 20,917 | 1/4 | 32,301 | 1/4 | 43,700 | 1/4 | 55,233 | 1/4 | 66,766 | 1/4 | 78,299 | 1/4 | 89,831 | 1/4 | 101,364 | 1/4 | 112,897 |
| 1/2 | 9,625 | 1/2 | 21,157 | 1/2 | 32,534 | 1/2 | 43,940 | 1/2 | 55,473 | 1/2 | 67,006 | 1/2 | 78,539 | 1/2 | 90,072 | 1/2 | 101,604 | 1/2 | 113,137 |
| 3/4 | 9,865 | 3/4 | 21,398 | 3/4 | 32,768 | 3/4 | 44,181 | 3/4 | 55,714 | 3/4 | 67,246 | 3/4 | 78,779 | 3/4 | 90,312 | 3/4 | 101,845 | 3/4 | 113,378 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net

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'-06" FORWARD OF AFT BULKHEAD



# BARGE "IB 1987"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

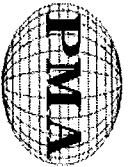
GAUGE HEIGHT 15'-02 3/4"

| IN    | 10 FT.  | IN    | 11 FT.  | IN    | 12 FT.  | IN    | 13 FT.  | IN    | 14 FT.  | IN    | 15 FT. | IN    | 16 FT. | IN    | 17 FT. | IN    | 18 FT. | IN    | 19 FT. |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0     | 113,618 | 0     | 125,151 | 0     | 136,683 | 0     | 148,216 | 0     | 159,741 | 0     |        | 0     |        | 0     |        | 0     |        | 0     |        |
| 1/4   | 113,858 | 1/4   | 125,391 | 1/4   | 136,924 | 1/4   | 148,456 | 1/4   | 159,988 | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 114,098 | 1/2   | 125,631 | 1/2   | 137,164 | 1/2   | 148,697 | 1/2   | 160,175 | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 114,339 | 3/4   | 125,871 | 3/4   | 137,404 | 3/4   | 148,937 | 3/4   | 160,392 | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 114,579 | 1     | 126,112 | 1     | 137,644 | 1     | 149,177 | 1     | 160,609 | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 114,819 | 1 1/4 | 126,352 | 1 1/4 | 137,885 | 1 1/4 | 149,418 | 1 1/4 | 160,749 | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 115,059 | 1 1/2 | 126,592 | 1 1/2 | 138,125 | 1 1/2 | 149,658 | 1 1/2 | 160,889 | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 115,300 | 1 3/4 | 126,832 | 1 3/4 | 138,365 | 1 3/4 | 149,898 | 1 3/4 | 161,029 | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |
| 2     | 115,540 | 2     | 127,073 | 2     | 138,606 | 2     | 150,138 | 2     | 161,169 | 2     |        | 2     |        | 2     |        | 2     |        | 2     |        |
| 1/4   | 115,780 | 1/4   | 127,313 | 1/4   | 138,846 | 1/4   | 150,379 | 1/4   | 161,229 | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 116,020 | 1/2   | 127,553 | 1/2   | 139,086 | 1/2   | 150,619 | 1/2   | 161,289 | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 116,261 | 3/4   | 127,794 | 3/4   | 139,326 | 3/4   | 150,859 | 3/4   | 161,349 | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 116,501 | 1     | 128,034 | 1     | 139,567 | 1     | 151,099 | 1     | 161,409 | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 116,741 | 1 1/4 | 128,274 | 1 1/4 | 139,807 | 1 1/4 | 151,340 | 1 1/4 | 161,419 | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 116,982 | 1 1/2 | 128,514 | 1 1/2 | 140,047 | 1 1/2 | 151,580 | 1 1/2 |         | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 117,222 | 1 3/4 | 128,755 | 1 3/4 | 140,287 | 1 3/4 | 151,820 | 1 3/4 |         | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |
| 2     | 117,462 | 2     | 128,995 | 2     | 140,528 | 2     | 152,060 | 2     |         | 2     |        | 2     |        | 2     |        | 2     |        | 2     |        |
| 1/4   | 117,702 | 1/4   | 129,235 | 1/4   | 140,768 | 1/4   | 152,301 | 1/4   |         | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 117,943 | 1/2   | 129,475 | 1/2   | 141,008 | 1/2   | 152,541 | 1/2   |         | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 118,183 | 3/4   | 129,716 | 3/4   | 141,248 | 3/4   | 152,781 | 3/4   |         | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 118,423 | 1     | 129,956 | 1     | 141,489 | 1     | 153,022 | 1     |         | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 118,663 | 1 1/4 | 130,196 | 1 1/4 | 141,729 | 1 1/4 | 153,262 | 1 1/4 |         | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 118,904 | 1 1/2 | 130,436 | 1 1/2 | 141,969 | 1 1/2 | 153,502 | 1 1/2 |         | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 119,144 | 1 3/4 | 130,677 | 1 3/4 | 142,210 | 1 3/4 | 153,742 | 1 3/4 |         | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |
| 2     | 119,384 | 2     | 130,917 | 2     | 142,450 | 2     | 153,983 | 2     |         | 2     |        | 2     |        | 2     |        | 2     |        | 2     |        |
| 1/4   | 119,624 | 1/4   | 131,157 | 1/4   | 142,690 | 1/4   | 154,223 | 1/4   |         | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 119,865 | 1/2   | 131,398 | 1/2   | 142,930 | 1/2   | 154,463 | 1/2   |         | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 120,105 | 3/4   | 131,638 | 3/4   | 143,171 | 3/4   | 154,703 | 3/4   |         | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 120,345 | 1     | 131,878 | 1     | 143,411 | 1     | 154,944 | 1     |         | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 120,586 | 1 1/4 | 132,118 | 1 1/4 | 143,651 | 1 1/4 | 155,184 | 1 1/4 |         | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 120,826 | 1 1/2 | 132,359 | 1 1/2 | 143,891 | 1 1/2 | 155,424 | 1 1/2 |         | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 121,066 | 1 3/4 | 132,599 | 1 3/4 | 144,132 | 1 3/4 | 155,664 | 1 3/4 |         | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |
| 2     | 121,306 | 2     | 132,839 | 2     | 144,372 | 2     | 155,905 | 2     |         | 2     |        | 2     |        | 2     |        | 2     |        | 2     |        |
| 1/4   | 121,547 | 1/4   | 133,079 | 1/4   | 144,612 | 1/4   | 156,145 | 1/4   |         | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 121,787 | 1/2   | 133,320 | 1/2   | 144,852 | 1/2   | 156,385 | 1/2   |         | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 122,027 | 3/4   | 133,560 | 3/4   | 145,093 | 3/4   | 156,626 | 3/4   |         | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 122,267 | 1     | 133,800 | 1     | 145,333 | 1     | 156,866 | 1     |         | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 122,508 | 1 1/4 | 134,040 | 1 1/4 | 145,573 | 1 1/4 | 157,106 | 1 1/4 |         | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 122,748 | 1 1/2 | 134,281 | 1 1/2 | 145,814 | 1 1/2 | 157,346 | 1 1/2 |         | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 122,988 | 1 3/4 | 134,521 | 1 3/4 | 146,054 | 1 3/4 | 157,587 | 1 3/4 |         | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |
| 2     | 123,228 | 2     | 134,761 | 2     | 146,294 | 2     | 157,827 | 2     |         | 2     |        | 2     |        | 2     |        | 2     |        | 2     |        |
| 1/4   | 123,469 | 1/4   | 135,002 | 1/4   | 146,534 | 1/4   | 158,067 | 1/4   |         | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        | 1/4   |        |
| 1/2   | 123,709 | 1/2   | 135,242 | 1/2   | 146,775 | 1/2   | 158,306 | 1/2   |         | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        | 1/2   |        |
| 3/4   | 123,949 | 3/4   | 135,482 | 3/4   | 147,015 | 3/4   | 158,546 | 3/4   |         | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        | 3/4   |        |
| 1     | 124,190 | 1     | 135,722 | 1     | 147,255 | 1     | 158,786 | 1     |         | 1     |        | 1     |        | 1     |        | 1     |        | 1     |        |
| 1 1/4 | 124,430 | 1 1/4 | 135,963 | 1 1/4 | 147,495 | 1 1/4 | 159,025 | 1 1/4 |         | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        | 1 1/4 |        |
| 1 1/2 | 124,670 | 1 1/2 | 136,203 | 1 1/2 | 147,736 | 1 1/2 | 159,264 | 1 1/2 |         | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        | 1 1/2 |        |
| 1 3/4 | 124,910 | 1 3/4 | 136,443 | 1 3/4 | 147,976 | 1 3/4 | 159,502 | 1 3/4 |         | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        | 1 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2017 SW  
 CALCULATED: 11/21/2017 CL  
 PRINTED: 11/21/2017 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 11/2017

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



# BARGE "IB 1987"

## 3 CENTER INNAGE TABLE

| CAPACITIES GIVEN IN WHOLE GALLONS |       |     | GAUGE HEIGHT 15'-03 1/4" |     |        |     |        |     |        |     |        |     |        |     |        |     |         |     |         |
|-----------------------------------|-------|-----|--------------------------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| IN                                | 0 FT. | IN  | 1 FT.                    | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
| 0                                 | 26    | 0   | 10,021                   | 0   | 21,456 | 0   | 32,881 | 0   | 44,311 | 0   | 55,747 | 0   | 67,183 | 0   | 78,619 | 0   | 90,055  | 0   | 101,491 |
| 1/4                               | 66    | 1/4 | 10,259                   | 1/4 | 21,695 | 1/4 | 33,119 | 1/4 | 44,549 | 1/4 | 55,985 | 1/4 | 67,421 | 1/4 | 78,857 | 1/4 | 90,293  | 1/4 | 101,729 |
| 1/2                               | 106   | 1/2 | 10,497                   | 1/2 | 21,933 | 1/2 | 33,357 | 1/2 | 44,787 | 1/2 | 56,223 | 1/2 | 67,659 | 1/2 | 79,095 | 1/2 | 90,531  | 1/2 | 101,967 |
| 3/4                               | 145   | 3/4 | 10,736                   | 3/4 | 22,171 | 3/4 | 33,595 | 3/4 | 45,025 | 3/4 | 56,461 | 3/4 | 67,897 | 3/4 | 79,333 | 3/4 | 90,769  | 3/4 | 102,205 |
| 1                                 | 185   | 1   | 10,974                   | 1   | 22,409 | 1   | 33,833 | 1   | 45,264 | 1   | 56,700 | 1   | 68,136 | 1   | 79,572 | 1   | 91,008  | 1   | 102,444 |
| 1/4                               | 304   | 1/4 | 11,212                   | 1/4 | 22,648 | 1/4 | 34,071 | 1/4 | 45,502 | 1/4 | 56,938 | 1/4 | 68,374 | 1/4 | 79,810 | 1/4 | 91,246  | 1/4 | 102,682 |
| 1/2                               | 423   | 1/2 | 11,450                   | 1/2 | 22,886 | 1/2 | 34,308 | 1/2 | 45,740 | 1/2 | 57,176 | 1/2 | 68,612 | 1/2 | 80,048 | 1/2 | 91,484  | 1/2 | 102,920 |
| 3/4                               | 542   | 3/4 | 11,689                   | 3/4 | 23,124 | 3/4 | 34,546 | 3/4 | 45,978 | 3/4 | 57,414 | 3/4 | 68,850 | 3/4 | 80,286 | 3/4 | 91,722  | 3/4 | 103,158 |
| 2                                 | 662   | 2   | 11,927                   | 2   | 23,362 | 2   | 34,784 | 2   | 46,217 | 2   | 57,653 | 2   | 69,089 | 2   | 80,525 | 2   | 91,961  | 2   | 103,397 |
| 1/4                               | 860   | 1/4 | 12,165                   | 1/4 | 23,601 | 1/4 | 35,022 | 1/4 | 46,455 | 1/4 | 57,891 | 1/4 | 69,327 | 1/4 | 80,763 | 1/4 | 92,199  | 1/4 | 103,635 |
| 1/2                               | 1,058 | 1/2 | 12,403                   | 1/2 | 23,839 | 1/2 | 35,259 | 1/2 | 46,693 | 1/2 | 58,129 | 1/2 | 69,565 | 1/2 | 81,001 | 1/2 | 92,437  | 1/2 | 103,873 |
| 3/4                               | 1,257 | 3/4 | 12,642                   | 3/4 | 24,077 | 3/4 | 35,497 | 3/4 | 46,931 | 3/4 | 58,367 | 3/4 | 69,803 | 3/4 | 81,239 | 3/4 | 92,675  | 3/4 | 104,111 |
| 3                                 | 1,455 | 3   | 12,880                   | 3   | 24,315 | 3   | 35,735 | 3   | 47,170 | 3   | 58,606 | 3   | 70,042 | 3   | 81,478 | 3   | 92,914  | 3   | 104,350 |
| 1/4                               | 1,691 | 1/4 | 13,118                   | 1/4 | 24,554 | 1/4 | 35,973 | 1/4 | 47,408 | 1/4 | 58,844 | 1/4 | 70,280 | 1/4 | 81,716 | 1/4 | 93,152  | 1/4 | 104,588 |
| 1/2                               | 1,928 | 1/2 | 13,356                   | 1/2 | 24,792 | 1/2 | 36,211 | 1/2 | 47,646 | 1/2 | 59,082 | 1/2 | 70,518 | 1/2 | 81,954 | 1/2 | 93,390  | 1/2 | 104,826 |
| 3/4                               | 2,164 | 3/4 | 13,595                   | 3/4 | 25,030 | 3/4 | 36,449 | 3/4 | 47,884 | 3/4 | 59,320 | 3/4 | 70,756 | 3/4 | 82,192 | 3/4 | 93,628  | 3/4 | 105,064 |
| 4                                 | 2,400 | 4   | 13,833                   | 4   | 25,268 | 4   | 36,687 | 4   | 48,123 | 4   | 59,559 | 4   | 70,995 | 4   | 82,431 | 4   | 93,867  | 4   | 105,303 |
| 1/4                               | 2,638 | 1/4 | 14,071                   | 1/4 | 25,507 | 1/4 | 36,925 | 1/4 | 48,361 | 1/4 | 59,797 | 1/4 | 71,233 | 1/4 | 82,669 | 1/4 | 94,105  | 1/4 | 105,541 |
| 1/2                               | 2,875 | 1/2 | 14,309                   | 1/2 | 25,745 | 1/2 | 37,163 | 1/2 | 48,599 | 1/2 | 60,035 | 1/2 | 71,471 | 1/2 | 82,907 | 1/2 | 94,343  | 1/2 | 105,779 |
| 3/4                               | 3,113 | 3/4 | 14,547                   | 3/4 | 25,983 | 3/4 | 37,401 | 3/4 | 48,837 | 3/4 | 60,273 | 3/4 | 71,709 | 3/4 | 83,145 | 3/4 | 94,581  | 3/4 | 106,017 |
| 5                                 | 3,351 | 5   | 14,786                   | 5   | 26,221 | 5   | 37,639 | 5   | 49,076 | 5   | 60,512 | 5   | 71,948 | 5   | 83,384 | 5   | 94,820  | 5   | 106,256 |
| 1/4                               | 3,589 | 1/4 | 15,024                   | 1/4 | 26,460 | 1/4 | 37,878 | 1/4 | 49,314 | 1/4 | 60,750 | 1/4 | 72,186 | 1/4 | 83,622 | 1/4 | 95,058  | 1/4 | 106,494 |
| 1/2                               | 3,827 | 1/2 | 15,262                   | 1/2 | 26,698 | 1/2 | 38,116 | 1/2 | 49,552 | 1/2 | 60,988 | 1/2 | 72,424 | 1/2 | 83,860 | 1/2 | 95,296  | 1/2 | 106,732 |
| 3/4                               | 4,065 | 3/4 | 15,500                   | 3/4 | 26,936 | 3/4 | 38,354 | 3/4 | 49,790 | 3/4 | 61,226 | 3/4 | 72,662 | 3/4 | 84,098 | 3/4 | 95,534  | 3/4 | 106,970 |
| 6                                 | 4,303 | 6   | 15,739                   | 6   | 27,174 | 6   | 38,593 | 6   | 50,029 | 6   | 61,465 | 6   | 72,901 | 6   | 84,337 | 6   | 95,773  | 6   | 107,209 |
| 1/4                               | 4,542 | 1/4 | 15,977                   | 1/4 | 27,412 | 1/4 | 38,831 | 1/4 | 50,267 | 1/4 | 61,703 | 1/4 | 73,139 | 1/4 | 84,575 | 1/4 | 96,011  | 1/4 | 107,447 |
| 1/2                               | 4,780 | 1/2 | 16,215                   | 1/2 | 27,650 | 1/2 | 39,069 | 1/2 | 50,505 | 1/2 | 61,941 | 1/2 | 73,377 | 1/2 | 84,813 | 1/2 | 96,249  | 1/2 | 107,685 |
| 3/4                               | 5,018 | 3/4 | 16,453                   | 3/4 | 27,888 | 3/4 | 39,307 | 3/4 | 50,743 | 3/4 | 62,179 | 3/4 | 73,615 | 3/4 | 85,051 | 3/4 | 96,487  | 3/4 | 107,923 |
| 7                                 | 5,256 | 7   | 16,692                   | 7   | 28,126 | 7   | 39,546 | 7   | 50,982 | 7   | 62,418 | 7   | 73,854 | 7   | 85,290 | 7   | 96,726  | 7   | 108,162 |
| 1/4                               | 5,494 | 1/4 | 16,930                   | 1/4 | 28,363 | 1/4 | 39,784 | 1/4 | 51,220 | 1/4 | 62,656 | 1/4 | 74,092 | 1/4 | 85,528 | 1/4 | 96,964  | 1/4 | 108,400 |
| 1/2                               | 5,733 | 1/2 | 17,168                   | 1/2 | 28,601 | 1/2 | 40,022 | 1/2 | 51,458 | 1/2 | 62,894 | 1/2 | 74,330 | 1/2 | 85,766 | 1/2 | 97,202  | 1/2 | 108,638 |
| 3/4                               | 5,971 | 3/4 | 17,406                   | 3/4 | 28,839 | 3/4 | 40,260 | 3/4 | 51,696 | 3/4 | 63,132 | 3/4 | 74,568 | 3/4 | 86,004 | 3/4 | 97,440  | 3/4 | 108,876 |
| 8                                 | 6,209 | 8   | 17,645                   | 8   | 29,077 | 8   | 40,499 | 8   | 51,935 | 8   | 63,371 | 8   | 74,807 | 8   | 86,243 | 8   | 97,679  | 8   | 109,115 |
| 1/4                               | 6,447 | 1/4 | 17,883                   | 1/4 | 29,314 | 1/4 | 40,737 | 1/4 | 52,173 | 1/4 | 63,609 | 1/4 | 75,045 | 1/4 | 86,481 | 1/4 | 97,917  | 1/4 | 109,353 |
| 1/2                               | 6,686 | 1/2 | 18,121                   | 1/2 | 29,552 | 1/2 | 40,975 | 1/2 | 52,411 | 1/2 | 63,847 | 1/2 | 75,283 | 1/2 | 86,719 | 1/2 | 98,155  | 1/2 | 109,591 |
| 3/4                               | 6,924 | 3/4 | 18,359                   | 3/4 | 29,790 | 3/4 | 41,213 | 3/4 | 52,649 | 3/4 | 64,085 | 3/4 | 75,521 | 3/4 | 86,957 | 3/4 | 98,393  | 3/4 | 109,829 |
| 9                                 | 7,162 | 9   | 18,598                   | 9   | 30,028 | 9   | 41,452 | 9   | 52,888 | 9   | 64,324 | 9   | 75,760 | 9   | 87,196 | 9   | 98,632  | 9   | 110,068 |
| 1/4                               | 7,400 | 1/4 | 18,836                   | 1/4 | 30,266 | 1/4 | 41,690 | 1/4 | 53,126 | 1/4 | 64,562 | 1/4 | 75,998 | 1/4 | 87,434 | 1/4 | 98,870  | 1/4 | 110,306 |
| 1/2                               | 7,639 | 1/2 | 19,074                   | 1/2 | 30,503 | 1/2 | 41,928 | 1/2 | 53,364 | 1/2 | 64,800 | 1/2 | 76,236 | 1/2 | 87,672 | 1/2 | 99,108  | 1/2 | 110,544 |
| 3/4                               | 7,877 | 3/4 | 19,312                   | 3/4 | 30,741 | 3/4 | 42,166 | 3/4 | 53,602 | 3/4 | 65,038 | 3/4 | 76,474 | 3/4 | 87,910 | 3/4 | 99,346  | 3/4 | 110,782 |
| 10                                | 8,115 | 10  | 19,551                   | 10  | 30,979 | 10  | 42,405 | 10  | 53,841 | 10  | 65,275 | 10  | 76,713 | 10  | 88,149 | 10  | 99,585  | 10  | 111,021 |
| 1/4                               | 8,353 | 1/4 | 19,789                   | 1/4 | 31,217 | 1/4 | 42,643 | 1/4 | 54,079 | 1/4 | 65,513 | 1/4 | 76,951 | 1/4 | 88,387 | 1/4 | 99,823  | 1/4 | 111,259 |
| 1/2                               | 8,591 | 1/2 | 20,027                   | 1/2 | 31,455 | 1/2 | 42,881 | 1/2 | 54,317 | 1/2 | 65,753 | 1/2 | 77,189 | 1/2 | 88,625 | 1/2 | 100,061 | 1/2 | 111,497 |
| 3/4                               | 8,830 | 3/4 | 20,265                   | 3/4 | 31,693 | 3/4 | 43,119 | 3/4 | 54,555 | 3/4 | 65,991 | 3/4 | 77,427 | 3/4 | 88,863 | 3/4 | 100,299 | 3/4 | 111,735 |
| 11                                | 9,068 | 11  | 20,504                   | 11  | 31,930 | 11  | 43,358 | 11  | 54,794 | 11  | 66,230 | 11  | 77,666 | 11  | 89,102 | 11  | 100,538 | 11  | 111,974 |
| 1/4                               | 9,306 | 1/4 | 20,742                   | 1/4 | 32,168 | 1/4 | 43,596 | 1/4 | 55,032 | 1/4 | 66,468 | 1/4 | 77,904 | 1/4 | 89,340 | 1/4 | 100,776 | 1/4 | 112,212 |
| 1/2                               | 9,544 | 1/2 | 20,980                   | 1/2 | 32,406 | 1/2 | 43,834 | 1/2 | 55,270 | 1/2 | 66,706 | 1/2 | 78,142 | 1/2 | 89,578 | 1/2 | 101,014 | 1/2 | 112,450 |
| 3/4                               | 9,783 | 3/4 | 21,218                   | 3/4 | 32,644 | 3/4 | 44,072 | 3/4 | 55,508 | 3/4 | 66,944 | 3/4 | 78,380 | 3/4 | 89,816 | 3/4 | 101,252 | 3/4 | 112,688 |

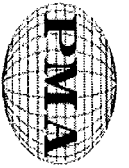
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPED 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 2032  
Portland, Texas 77868  
<http://www.pmaacorp.net>



# BARGE "IB 1987"

3 CENTER  
INNAGE TABLE

CAPACITY GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 112,927 | 0   | 124,363 | 0   | 135,799 | 0   | 147,235 | 0   | 158,673 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 113,165 | 1/4 | 124,601 | 1/4 | 136,037 | 1/4 | 147,473 | 1/4 | 158,909 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 113,403 | 1/2 | 124,839 | 1/2 | 136,275 | 1/2 | 147,711 | 1/2 | 159,147 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 113,641 | 3/4 | 125,078 | 3/4 | 136,514 | 3/4 | 147,950 | 3/4 | 159,386 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 113,880 | 1   | 125,316 | 1   | 136,752 | 1   | 148,188 | 1   | 159,623 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 114,118 | 1/4 | 125,554 | 1/4 | 136,990 | 1/4 | 148,426 | 1/4 | 159,862 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 114,356 | 1/2 | 125,792 | 1/2 | 137,228 | 1/2 | 148,664 | 1/2 | 159,901 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 114,594 | 3/4 | 126,031 | 3/4 | 137,467 | 3/4 | 148,903 | 3/4 | 159,940 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 114,833 | 2   | 126,269 | 2   | 137,705 | 2   | 149,141 | 2   | 160,079 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 115,071 | 1/4 | 126,507 | 1/4 | 137,943 | 1/4 | 149,379 | 1/4 | 160,139 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 115,309 | 1/2 | 126,745 | 1/2 | 138,181 | 1/2 | 149,617 | 1/2 | 160,198 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 115,547 | 3/4 | 126,984 | 3/4 | 138,420 | 3/4 | 149,856 | 3/4 | 160,258 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 115,786 | 3   | 127,222 | 3   | 138,658 | 3   | 150,094 | 3   | 160,317 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 116,024 | 1/4 | 127,460 | 1/4 | 138,896 | 1/4 | 150,332 | 1/4 | 160,377 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 116,262 | 1/2 | 127,698 | 1/2 | 139,134 | 1/2 | 150,570 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 116,500 | 3/4 | 127,937 | 3/4 | 139,373 | 3/4 | 150,809 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 116,739 | 4   | 128,175 | 4   | 139,611 | 4   | 151,047 | 4   |         | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 116,977 | 1/4 | 128,413 | 1/4 | 139,849 | 1/4 | 151,285 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 117,215 | 1/2 | 128,651 | 1/2 | 140,087 | 1/2 | 151,523 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 117,453 | 3/4 | 128,890 | 3/4 | 140,326 | 3/4 | 151,762 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 117,692 | 5   | 129,128 | 5   | 140,564 | 5   | 152,000 | 5   |         | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 117,930 | 1/4 | 129,366 | 1/4 | 140,802 | 1/4 | 152,238 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 118,168 | 1/2 | 129,604 | 1/2 | 141,040 | 1/2 | 152,476 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 118,406 | 3/4 | 129,843 | 3/4 | 141,279 | 3/4 | 152,715 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 118,645 | 6   | 130,081 | 6   | 141,517 | 6   | 152,953 | 6   |         | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 118,883 | 1/4 | 130,319 | 1/4 | 141,755 | 1/4 | 153,191 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 119,121 | 1/2 | 130,557 | 1/2 | 141,993 | 1/2 | 153,429 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 119,359 | 3/4 | 130,796 | 3/4 | 142,232 | 3/4 | 153,668 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 119,598 | 7   | 131,034 | 7   | 142,470 | 7   | 153,906 | 7   |         | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 119,836 | 1/4 | 131,272 | 1/4 | 142,708 | 1/4 | 154,144 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 120,074 | 1/2 | 131,510 | 1/2 | 142,946 | 1/2 | 154,382 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 120,312 | 3/4 | 131,749 | 3/4 | 143,185 | 3/4 | 154,621 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 120,551 | 8   | 131,987 | 8   | 143,423 | 8   | 154,859 | 8   |         | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 120,789 | 1/4 | 132,225 | 1/4 | 143,661 | 1/4 | 155,097 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,027 | 1/2 | 132,463 | 1/2 | 143,899 | 1/2 | 155,335 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 121,265 | 3/4 | 132,702 | 3/4 | 144,138 | 3/4 | 155,574 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 121,504 | 9   | 132,940 | 9   | 144,376 | 9   | 155,812 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 121,742 | 1/4 | 133,178 | 1/4 | 144,614 | 1/4 | 156,050 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 121,980 | 1/2 | 133,416 | 1/2 | 144,852 | 1/2 | 156,288 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 122,218 | 3/4 | 133,655 | 3/4 | 145,091 | 3/4 | 156,526 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 122,457 | 10  | 133,893 | 10  | 145,329 | 10  | 156,765 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 122,695 | 1/4 | 134,131 | 1/4 | 145,567 | 1/4 | 157,003 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 122,933 | 1/2 | 134,369 | 1/2 | 145,805 | 1/2 | 157,240 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 123,171 | 3/4 | 134,608 | 3/4 | 146,044 | 3/4 | 157,478 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 123,410 | 11  | 134,846 | 11  | 146,282 | 11  | 157,716 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 123,648 | 1/4 | 135,084 | 1/4 | 146,520 | 1/4 | 157,953 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 123,886 | 1/2 | 135,322 | 1/2 | 146,758 | 1/2 | 158,190 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 124,125 | 3/4 | 135,561 | 3/4 | 146,997 | 3/4 | 158,426 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2017 SW  
CALCULATED: 11/21/2017 CL  
PRINTED: 11/21/2017 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2017

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