

# BARGE "IB 1983"

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

October 20, 2017

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

<http://www.pmacorp.net>



# BARGE "IB 1983"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS & 42 US GALLONS

| 1 FT. |        | 2 FT. |        | 3 FT. |        | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|--------|-------|--------|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN    | 0 FT.  | IN    | 1 FT.  | IN    | 2 FT.  | IN    | 3 FT.    | IN    | 4 FT.    | IN    | 5 FT.    | IN    | 6 FT.    | IN    | 7 FT.    | IN    | 8 FT.    | IN  | 9 FT.    |
| 0     | 0.63   | 0     | 242.71 | 0     | 528.97 | 0     | 811.41   | 0     | 1,095.03 | 0     | 1,381.13 | 0     | 1,666.81 | 0     | 1,953.06 | 0     | 2,239.31 | 0   | 2,525.54 |
| 1/4   | 1.63   | 1/4   | 248.67 | 1/2   | 534.93 | 3/4   | 817.22   | 1     | 1,100.99 | 1/2   | 1,387.08 | 1/2   | 1,672.77 | 1/2   | 1,959.03 | 1/2   | 2,245.27 | 1/2 | 2,531.51 |
| 1/2   | 2.62   | 1/2   | 254.63 | 1     | 540.90 | 1/2   | 823.02   | 1     | 1,106.95 | 1/2   | 1,393.04 | 1/2   | 1,678.74 | 1/2   | 1,964.99 | 1/2   | 2,251.23 | 1/2 | 2,537.47 |
| 3/4   | 3.62   | 3/4   | 260.60 | 1     | 546.86 | 3/4   | 828.83   | 1     | 1,112.91 | 1     | 1,398.98 | 1     | 1,684.70 | 1     | 1,970.95 | 1     | 2,257.19 | 1   | 2,543.44 |
| 1     | 4.61   | 1     | 266.56 | 1     | 552.83 | 1     | 834.63   | 1     | 1,118.87 | 1     | 1,404.93 | 1     | 1,690.66 | 1     | 1,976.92 | 1     | 2,263.16 | 1   | 2,549.40 |
| 1/4   | 6.81   | 1/4   | 272.53 | 1/2   | 558.79 | 1/2   | 840.44   | 1/2   | 1,124.83 | 1/2   | 1,410.88 | 1/2   | 1,696.61 | 1/2   | 1,982.88 | 1/2   | 2,269.12 | 1/2 | 2,555.36 |
| 1/2   | 9.00   | 1/2   | 278.48 | 1     | 564.75 | 1     | 846.24   | 1     | 1,130.79 | 1     | 1,416.83 | 1     | 1,702.59 | 1     | 1,988.84 | 1     | 2,275.08 | 1   | 2,561.33 |
| 3/4   | 11.20  | 3/4   | 284.45 | 1     | 570.72 | 3/4   | 852.04   | 1     | 1,136.75 | 1     | 1,422.78 | 1     | 1,708.55 | 1     | 1,994.81 | 1     | 2,281.05 | 1   | 2,567.29 |
| 1     | 13.39  | 1     | 290.42 | 1     | 576.68 | 1     | 857.85   | 1     | 1,142.71 | 1     | 1,428.73 | 1     | 1,714.52 | 1     | 2,000.77 | 1     | 2,287.01 | 1   | 2,573.25 |
| 1/4   | 17.31  | 1/4   | 296.38 | 1/2   | 582.65 | 1/2   | 863.65   | 1/2   | 1,148.67 | 1/2   | 1,434.67 | 1/2   | 1,720.48 | 1/2   | 2,006.73 | 1/2   | 2,292.97 | 1/2 | 2,579.22 |
| 1/2   | 21.23  | 1/2   | 302.35 | 1     | 588.61 | 1     | 869.46   | 1     | 1,154.63 | 1     | 1,440.62 | 1     | 1,726.44 | 1     | 2,012.70 | 1     | 2,298.93 | 1   | 2,585.18 |
| 3/4   | 25.14  | 3/4   | 308.31 | 1     | 594.57 | 3/4   | 875.27   | 1     | 1,160.59 | 1     | 1,446.57 | 1     | 1,732.41 | 1     | 2,018.66 | 1     | 2,304.90 | 1   | 2,591.14 |
| 1     | 29.06  | 1     | 314.27 | 1     | 600.54 | 1     | 881.07   | 1     | 1,166.55 | 1     | 1,452.52 | 1     | 1,738.37 | 1     | 2,024.62 | 1     | 2,310.86 | 1   | 2,597.11 |
| 1/4   | 34.72  | 1/4   | 320.24 | 1/2   | 606.50 | 1/2   | 886.88   | 1/2   | 1,172.51 | 1/2   | 1,458.47 | 1/2   | 1,744.34 | 1/2   | 2,030.59 | 1/2   | 2,316.82 | 1/2 | 2,603.07 |
| 1/2   | 40.38  | 1/2   | 326.20 | 1     | 612.46 | 1     | 892.68   | 1     | 1,178.47 | 1     | 1,464.42 | 1     | 1,750.30 | 1     | 2,036.55 | 1     | 2,322.79 | 1   | 2,609.04 |
| 3/4   | 46.04  | 3/4   | 332.17 | 1     | 618.43 | 3/4   | 898.49   | 1     | 1,184.44 | 1     | 1,470.37 | 1     | 1,756.26 | 1     | 2,042.52 | 1     | 2,328.75 | 1   | 2,615.00 |
| 1     | 51.70  | 1     | 338.13 | 1     | 624.39 | 1     | 904.29   | 1     | 1,190.40 | 1     | 1,476.32 | 1     | 1,762.23 | 1     | 2,048.48 | 1     | 2,334.71 | 1   | 2,620.96 |
| 1/4   | 57.66  | 1/4   | 344.09 | 1/2   | 630.36 | 1/2   | 910.25   | 1/2   | 1,196.36 | 1/2   | 1,482.27 | 1/2   | 1,768.19 | 1/2   | 2,054.44 | 1/2   | 2,340.68 | 1/2 | 2,626.93 |
| 1/2   | 63.62  | 1/2   | 350.06 | 1     | 636.32 | 1     | 916.21   | 1     | 1,202.32 | 1     | 1,488.22 | 1     | 1,774.15 | 1     | 2,060.41 | 1     | 2,346.64 | 1   | 2,632.89 |
| 3/4   | 69.58  | 3/4   | 356.02 | 1     | 642.28 | 3/4   | 922.17   | 1     | 1,208.28 | 1     | 1,494.17 | 1     | 1,780.12 | 1     | 2,066.37 | 1     | 2,352.60 | 1   | 2,638.85 |
| 1     | 75.54  | 1     | 361.98 | 1     | 648.25 | 1     | 928.13   | 1     | 1,214.24 | 1     | 1,500.12 | 1     | 1,786.08 | 1     | 2,072.33 | 1     | 2,358.56 | 1   | 2,644.82 |
| 1/4   | 81.52  | 1/4   | 367.95 | 1/2   | 654.21 | 1/2   | 934.09   | 1/2   | 1,220.20 | 1/2   | 1,506.07 | 1/2   | 1,792.04 | 1/2   | 2,078.30 | 1/2   | 2,364.53 | 1/2 | 2,650.78 |
| 1/2   | 87.49  | 1/2   | 373.91 | 1     | 660.17 | 1     | 940.05   | 1     | 1,226.16 | 1     | 1,512.01 | 1     | 1,798.01 | 1     | 2,084.26 | 1     | 2,370.49 | 1   | 2,656.74 |
| 3/4   | 93.44  | 3/4   | 379.88 | 1     | 666.14 | 3/4   | 945.02   | 1     | 1,232.12 | 1     | 1,517.96 | 1     | 1,803.97 | 1     | 2,090.22 | 1     | 2,376.45 | 1   | 2,662.71 |
| 1     | 99.44  | 1     | 385.84 | 1     | 672.10 | 1     | 951.98   | 1     | 1,238.08 | 1     | 1,523.91 | 1     | 1,809.94 | 1     | 2,096.19 | 1     | 2,382.42 | 1   | 2,668.67 |
| 1/4   | 105.41 | 1/4   | 391.80 | 1/2   | 678.07 | 1/2   | 957.94   | 1/2   | 1,244.04 | 1/2   | 1,529.86 | 1/2   | 1,815.90 | 1/2   | 2,102.15 | 1/2   | 2,388.38 | 1/2 | 2,674.63 |
| 1/2   | 111.39 | 1/2   | 397.77 | 1     | 684.03 | 1     | 963.90   | 1     | 1,250.00 | 1     | 1,535.81 | 1     | 1,821.86 | 1     | 2,108.12 | 1     | 2,394.35 | 1   | 2,680.60 |
| 3/4   | 117.37 | 3/4   | 403.73 | 1     | 689.99 | 3/4   | 969.84   | 1     | 1,255.96 | 1     | 1,541.76 | 1     | 1,827.83 | 1     | 2,114.08 | 1     | 2,400.31 | 1   | 2,686.56 |
| 1     | 123.34 | 1     | 409.70 | 1     | 695.95 | 1     | 975.82   | 1     | 1,261.92 | 1     | 1,547.71 | 1     | 1,833.79 | 1     | 2,120.04 | 1     | 2,406.27 | 1   | 2,692.53 |
| 1/4   | 129.31 | 1/4   | 415.66 | 1/2   | 701.93 | 1/2   | 981.78   | 1/2   | 1,267.88 | 1/2   | 1,553.66 | 1/2   | 1,839.75 | 1/2   | 2,126.01 | 1/2   | 2,412.24 | 1/2 | 2,698.49 |
| 1/2   | 135.28 | 1/2   | 421.62 | 1     | 707.93 | 1     | 987.74   | 1     | 1,273.84 | 1     | 1,559.61 | 1     | 1,845.72 | 1     | 2,131.97 | 1     | 2,418.20 | 1   | 2,704.45 |
| 3/4   | 141.25 | 3/4   | 427.59 | 1     | 713.93 | 3/4   | 993.70   | 1     | 1,279.80 | 1     | 1,565.56 | 1     | 1,851.68 | 1     | 2,137.93 | 1     | 2,424.16 | 1   | 2,710.42 |
| 1     | 147.22 | 1     | 433.55 | 1     | 719.94 | 1     | 999.66   | 1     | 1,285.76 | 1     | 1,571.51 | 1     | 1,857.64 | 1     | 2,143.90 | 1     | 2,430.13 | 1   | 2,716.38 |
| 1/4   | 153.19 | 1/4   | 439.51 | 1/2   | 725.94 | 1/2   | 1,005.62 | 1/2   | 1,291.72 | 1/2   | 1,577.46 | 1/2   | 1,863.61 | 1/2   | 2,149.86 | 1/2   | 2,436.09 | 1/2 | 2,722.34 |
| 1/2   | 159.16 | 1/2   | 445.48 | 1     | 731.95 | 1     | 1,011.58 | 1     | 1,297.68 | 1     | 1,583.40 | 1     | 1,869.57 | 1     | 2,155.82 | 1     | 2,442.05 | 1   | 2,728.31 |
| 3/4   | 165.12 | 3/4   | 451.44 | 1     | 737.95 | 3/4   | 1,017.54 | 1     | 1,303.65 | 1     | 1,589.35 | 1     | 1,875.53 | 1     | 2,161.79 | 1     | 2,448.02 | 1   | 2,734.27 |
| 1     | 171.09 | 1     | 457.41 | 1     | 743.96 | 1     | 1,023.50 | 1     | 1,309.61 | 1     | 1,595.30 | 1     | 1,881.50 | 1     | 2,167.75 | 1     | 2,453.98 | 1   | 2,740.23 |
| 1/4   | 177.06 | 1/4   | 463.37 | 1/2   | 749.96 | 1/2   | 1,029.46 | 1/2   | 1,315.57 | 1/2   | 1,601.25 | 1/2   | 1,887.46 | 1/2   | 2,173.71 | 1/2   | 2,459.95 | 1/2 | 2,746.20 |
| 1/2   | 183.03 | 1/2   | 469.33 | 1     | 755.97 | 1     | 1,035.42 | 1     | 1,321.53 | 1     | 1,607.20 | 1     | 1,893.43 | 1     | 2,179.68 | 1     | 2,465.91 | 1   | 2,752.16 |
| 3/4   | 189.00 | 3/4   | 475.30 | 1     | 761.97 | 3/4   | 1,041.38 | 1     | 1,327.49 | 1     | 1,613.15 | 1     | 1,899.39 | 1     | 2,185.64 | 1     | 2,471.87 | 1   | 2,758.13 |
| 1     | 194.97 | 1     | 481.26 | 1     | 767.98 | 1     | 1,047.34 | 1     | 1,333.45 | 1     | 1,619.10 | 1     | 1,905.35 | 1     | 2,191.60 | 1     | 2,477.84 | 1   | 2,764.09 |
| 1/4   | 200.94 | 1/4   | 487.22 | 1/2   | 773.98 | 1/2   | 1,053.30 | 1/2   | 1,339.41 | 1/2   | 1,625.06 | 1/2   | 1,911.35 | 1/2   | 2,197.57 | 1/2   | 2,483.80 | 1/2 | 2,770.05 |
| 1/2   | 206.91 | 1/2   | 493.19 | 1     | 779.99 | 1     | 1,059.26 | 1     | 1,345.37 | 1     | 1,631.03 | 1     | 1,917.28 | 1     | 2,203.53 | 1     | 2,489.76 | 1   | 2,776.02 |
| 3/4   | 212.88 | 3/4   | 499.15 | 1     | 785.99 | 3/4   | 1,065.23 | 1     | 1,351.33 | 1     | 1,636.95 | 1     | 1,923.24 | 1     | 2,209.49 | 1     | 2,495.73 | 1   | 2,781.98 |
| 1     | 218.85 | 1     | 505.12 | 1     | 791.99 | 1     | 1,071.19 | 1     | 1,357.29 | 1     | 1,642.95 | 1     | 1,929.21 | 1     | 2,215.45 | 1     | 2,501.69 | 1   | 2,787.94 |
| 1/4   | 224.81 | 1/4   | 511.08 | 1/2   | 797.99 | 1/2   | 1,077.15 | 1/2   | 1,363.25 | 1/2   | 1,648.92 | 1/2   | 1,935.17 | 1/2   | 2,221.42 | 1/2   | 2,507.65 | 1/2 | 2,793.92 |
| 1/2   | 230.78 | 1/2   | 517.04 | 1     | 803.99 | 1     | 1,083.11 | 1     | 1,369.21 | 1     | 1,654.88 | 1     | 1,941.13 | 1     | 2,227.38 | 1     | 2,513.62 | 1   | 2,799.89 |
| 3/4   | 236.74 | 3/4   | 523.01 | 1     | 809.99 | 3/4   | 1,089.07 | 1     | 1,375.17 | 1     | 1,660.85 | 1     | 1,947.10 | 1     | 2,233.34 | 1     | 2,519.58 | 1   | 2,805.87 |

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 ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

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# BARGE "IB 1983"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 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   | 2,811.84 | 0   | 3,064.87 | 0   | 3,250.29 | 0   | 3,455.71 | 0   | 3,620.94 | 0   | 3,750.00 | 0   | 3,845.00 | 0   | 3,900.00 | 0   | 3,925.00 | 0   | 3,940.00 |
| 1/4 | 2,817.82 | 1/4 | 3,068.87 | 1/4 | 3,254.15 | 1/4 | 3,439.58 | 1/4 | 3,624.22 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,823.79 | 1/2 | 3,072.99 | 1/2 | 3,258.02 | 1/2 | 3,443.44 | 1/2 | 3,627.50 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,829.77 | 3/4 | 3,076.55 | 3/4 | 3,261.88 | 3/4 | 3,447.30 | 3/4 | 3,630.79 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 1   | 2,835.74 | 1   | 3,080.32 | 1   | 3,265.74 | 1   | 3,451.17 | 1   | 3,634.07 | 1   | 3,750.00 | 1   | 3,845.00 | 1   | 3,900.00 | 1   | 3,925.00 | 1   | 3,940.00 |
| 1/4 | 2,841.72 | 1/4 | 3,084.18 | 1/4 | 3,269.60 | 1/4 | 3,455.03 | 1/4 | 3,635.44 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,847.69 | 1/2 | 3,088.04 | 1/2 | 3,273.47 | 1/2 | 3,458.89 | 1/2 | 3,638.19 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,853.67 | 3/4 | 3,091.91 | 3/4 | 3,277.33 | 3/4 | 3,462.75 | 3/4 | 3,638.19 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 2   | 2,859.65 | 2   | 3,095.77 | 2   | 3,281.19 | 2   | 3,466.62 | 2   | 3,639.56 | 2   | 3,750.00 | 2   | 3,845.00 | 2   | 3,900.00 | 2   | 3,925.00 | 2   | 3,940.00 |
| 1/4 | 2,865.62 | 1/4 | 3,099.63 | 1/4 | 3,285.06 | 1/4 | 3,470.48 | 1/4 | 3,641.05 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,871.60 | 1/2 | 3,103.50 | 1/2 | 3,288.92 | 1/2 | 3,474.34 | 1/2 | 3,642.55 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,877.57 | 3/4 | 3,107.36 | 3/4 | 3,292.78 | 3/4 | 3,478.21 | 3/4 | 3,644.04 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 3   | 2,883.55 | 3   | 3,111.22 | 3   | 3,296.65 | 3   | 3,482.07 | 3   | 3,645.53 | 3   | 3,750.00 | 3   | 3,845.00 | 3   | 3,900.00 | 3   | 3,925.00 | 3   | 3,940.00 |
| 1/4 | 2,889.52 | 1/4 | 3,115.08 | 1/4 | 3,300.51 | 1/4 | 3,485.93 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,895.50 | 1/2 | 3,118.95 | 1/2 | 3,304.37 | 1/2 | 3,489.80 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,901.47 | 3/4 | 3,122.81 | 3/4 | 3,308.23 | 3/4 | 3,493.66 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 4   | 2,907.45 | 4   | 3,126.67 | 4   | 3,312.10 | 4   | 3,497.52 | 4   | 3,645.78 | 4   | 3,750.00 | 4   | 3,845.00 | 4   | 3,900.00 | 4   | 3,925.00 | 4   | 3,940.00 |
| 1/4 | 2,913.43 | 1/4 | 3,130.54 | 1/4 | 3,315.96 | 1/4 | 3,501.38 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,919.40 | 1/2 | 3,134.40 | 1/2 | 3,319.82 | 1/2 | 3,505.25 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,925.38 | 3/4 | 3,138.26 | 3/4 | 3,323.69 | 3/4 | 3,509.11 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 5   | 2,931.35 | 5   | 3,142.13 | 5   | 3,327.55 | 5   | 3,512.97 | 5   | 3,645.78 | 5   | 3,750.00 | 5   | 3,845.00 | 5   | 3,900.00 | 5   | 3,925.00 | 5   | 3,940.00 |
| 1/4 | 2,937.33 | 1/4 | 3,145.99 | 1/4 | 3,331.41 | 1/4 | 3,516.84 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,943.30 | 1/2 | 3,149.85 | 1/2 | 3,335.28 | 1/2 | 3,520.70 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,949.28 | 3/4 | 3,153.71 | 3/4 | 3,339.14 | 3/4 | 3,524.56 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 6   | 2,955.25 | 6   | 3,157.58 | 6   | 3,343.00 | 6   | 3,528.43 | 6   | 3,645.78 | 6   | 3,750.00 | 6   | 3,845.00 | 6   | 3,900.00 | 6   | 3,925.00 | 6   | 3,940.00 |
| 1/4 | 2,961.23 | 1/4 | 3,161.44 | 1/4 | 3,346.86 | 1/4 | 3,532.29 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,967.20 | 1/2 | 3,165.30 | 1/2 | 3,350.73 | 1/2 | 3,536.15 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,973.18 | 3/4 | 3,169.17 | 3/4 | 3,354.59 | 3/4 | 3,540.01 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 7   | 2,979.16 | 7   | 3,173.03 | 7   | 3,358.45 | 7   | 3,543.88 | 7   | 3,645.78 | 7   | 3,750.00 | 7   | 3,845.00 | 7   | 3,900.00 | 7   | 3,925.00 | 7   | 3,940.00 |
| 1/4 | 2,985.13 | 1/4 | 3,176.89 | 1/4 | 3,362.32 | 1/4 | 3,547.74 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 2,991.11 | 1/2 | 3,180.76 | 1/2 | 3,366.18 | 1/2 | 3,551.60 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 2,997.08 | 3/4 | 3,184.62 | 3/4 | 3,370.04 | 3/4 | 3,555.47 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 8   | 3,003.06 | 8   | 3,188.48 | 8   | 3,373.91 | 8   | 3,559.33 | 8   | 3,645.78 | 8   | 3,750.00 | 8   | 3,845.00 | 8   | 3,900.00 | 8   | 3,925.00 | 8   | 3,940.00 |
| 1/4 | 3,009.02 | 1/4 | 3,192.34 | 1/4 | 3,377.77 | 1/4 | 3,563.19 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 3,010.78 | 1/2 | 3,196.21 | 1/2 | 3,381.63 | 1/2 | 3,567.06 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 3,014.65 | 3/4 | 3,200.07 | 3/4 | 3,385.49 | 3/4 | 3,570.92 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 9   | 3,018.51 | 9   | 3,203.93 | 9   | 3,389.36 | 9   | 3,574.78 | 9   | 3,645.78 | 9   | 3,750.00 | 9   | 3,845.00 | 9   | 3,900.00 | 9   | 3,925.00 | 9   | 3,940.00 |
| 1/4 | 3,022.37 | 1/4 | 3,207.80 | 1/4 | 3,393.22 | 1/4 | 3,578.64 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 3,026.24 | 1/2 | 3,211.66 | 1/2 | 3,397.08 | 1/2 | 3,582.51 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 3,030.10 | 3/4 | 3,215.52 | 3/4 | 3,400.95 | 3/4 | 3,586.37 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 10  | 3,033.96 | 10  | 3,219.39 | 10  | 3,404.81 | 10  | 3,590.23 | 10  | 3,645.78 | 10  | 3,750.00 | 10  | 3,845.00 | 10  | 3,900.00 | 10  | 3,925.00 | 10  | 3,940.00 |
| 1/4 | 3,037.82 | 1/4 | 3,223.25 | 1/4 | 3,408.67 | 1/4 | 3,594.08 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 3,041.69 | 1/2 | 3,227.11 | 1/2 | 3,412.54 | 1/2 | 3,597.94 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 3,045.55 | 3/4 | 3,230.97 | 3/4 | 3,416.40 | 3/4 | 3,601.79 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |
| 11  | 3,049.41 | 11  | 3,234.84 | 11  | 3,420.26 | 11  | 3,605.64 | 11  | 3,645.78 | 11  | 3,750.00 | 11  | 3,845.00 | 11  | 3,900.00 | 11  | 3,925.00 | 11  | 3,940.00 |
| 1/4 | 3,053.28 | 1/4 | 3,238.70 | 1/4 | 3,424.12 | 1/4 | 3,609.47 | 1/4 | 3,645.78 | 1/4 | 3,750.00 | 1/4 | 3,845.00 | 1/4 | 3,900.00 | 1/4 | 3,925.00 | 1/4 | 3,940.00 |
| 1/2 | 3,057.14 | 1/2 | 3,242.56 | 1/2 | 3,427.99 | 1/2 | 3,613.29 | 1/2 | 3,645.78 | 1/2 | 3,750.00 | 1/2 | 3,845.00 | 1/2 | 3,900.00 | 1/2 | 3,925.00 | 1/2 | 3,940.00 |
| 3/4 | 3,061.00 | 3/4 | 3,246.43 | 3/4 | 3,431.85 | 3/4 | 3,617.12 | 3/4 | 3,645.78 | 3/4 | 3,750.00 | 3/4 | 3,845.00 | 3/4 | 3,900.00 | 3/4 | 3,925.00 | 3/4 | 3,940.00 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL  
CALCULATED: 10/20/2017 CL  
PRINTED: 10/20/2017 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/20/17

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



# BARGE "IB 1983"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

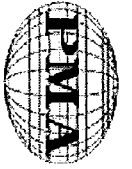
| IN     | 0 FT.  | IN     | 1 FT.  | IN     | 2 FT.  | IN     | 3 FT.    | IN     | 4 FT.    | IN     | 5 FT.    | IN     | 6 FT.    | IN     | 7 FT.    | IN     | 8 FT.    | IN     | 9 FT.    |
|--------|--------|--------|--------|--------|--------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| 0      | 0.63   | 0      | 240.80 | 0      | 515.59 | 0      | 786.35   | 0      | 1,058.47 | 0      | 1,333.28 | 0      | 1,608.08 | 0      | 1,882.89 | 0      | 2,157.69 | 0      | 2,432.50 |
| 1/8    | 1.58   | 1/4    | 246.52 | 1/4    | 521.32 | 1/4    | 791.91   | 1/4    | 1,064.20 | 1/4    | 1,339.00 | 1/4    | 1,613.81 | 1/4    | 1,888.61 | 1/4    | 2,163.42 | 1/4    | 2,438.22 |
| 1/2    | 2.53   | 1/2    | 252.24 | 1/2    | 527.04 | 1/2    | 797.46   | 1/2    | 1,069.92 | 1/2    | 1,344.73 | 1/2    | 1,619.53 | 1/2    | 1,894.34 | 1/2    | 2,169.14 | 1/2    | 2,443.95 |
| 3/4    | 3.49   | 3/4    | 257.97 | 3/4    | 532.76 | 3/4    | 803.02   | 3/4    | 1,075.65 | 3/4    | 1,350.45 | 3/4    | 1,625.26 | 3/4    | 1,900.06 | 3/4    | 2,174.87 | 3/4    | 2,449.67 |
| 1      | 4.44   | 1      | 263.69 | 1      | 538.49 | 1      | 808.58   | 1      | 1,081.37 | 1      | 1,356.18 | 1      | 1,630.98 | 1      | 1,905.79 | 1      | 2,180.59 | 1      | 2,455.40 |
| 1 1/4  | 7.30   | 1 1/4  | 269.42 | 1 1/4  | 544.21 | 1 1/4  | 814.13   | 1 1/4  | 1,087.10 | 1 1/4  | 1,361.90 | 1 1/4  | 1,636.71 | 1 1/4  | 1,911.51 | 1 1/4  | 2,186.32 | 1 1/4  | 2,461.12 |
| 1 1/2  | 10.17  | 1 1/2  | 275.14 | 1 1/2  | 549.94 | 1 1/2  | 819.69   | 1 1/2  | 1,092.82 | 1 1/2  | 1,367.63 | 1 1/2  | 1,642.43 | 1 1/2  | 1,917.24 | 1 1/2  | 2,192.04 | 1 1/2  | 2,466.85 |
| 1 3/4  | 13.03  | 1 3/4  | 280.87 | 1 3/4  | 555.66 | 1 3/4  | 825.25   | 1 3/4  | 1,098.58 | 1 3/4  | 1,373.35 | 1 3/4  | 1,648.16 | 1 3/4  | 1,922.96 | 1 3/4  | 2,197.77 | 1 3/4  | 2,472.57 |
| 2      | 15.89  | 2      | 286.59 | 2      | 561.39 | 2      | 830.81   | 2      | 1,104.28 | 2      | 1,379.28 | 2      | 1,653.88 | 2      | 1,928.69 | 2      | 2,203.49 | 2      | 2,478.30 |
| 2 1/4  | 20.66  | 2 1/4  | 292.32 | 2 1/4  | 567.11 | 2 1/4  | 836.36   | 2 1/4  | 1,110.00 | 2 1/4  | 1,384.80 | 2 1/4  | 1,659.61 | 2 1/4  | 1,934.41 | 2 1/4  | 2,209.22 | 2 1/4  | 2,484.02 |
| 2 1/2  | 25.43  | 2 1/2  | 298.04 | 2 1/2  | 572.84 | 2 1/2  | 841.92   | 2 1/2  | 1,115.73 | 2 1/2  | 1,390.53 | 2 1/2  | 1,665.33 | 2 1/2  | 1,940.14 | 2 1/2  | 2,214.94 | 2 1/2  | 2,489.75 |
| 2 3/4  | 30.20  | 2 3/4  | 303.77 | 2 3/4  | 578.56 | 2 3/4  | 847.48   | 2 3/4  | 1,121.45 | 2 3/4  | 1,396.26 | 2 3/4  | 1,671.06 | 2 3/4  | 1,945.86 | 2 3/4  | 2,220.67 | 2 3/4  | 2,495.47 |
| 3      | 34.96  | 3      | 309.49 | 3      | 584.29 | 3      | 853.04   | 3      | 1,127.18 | 3      | 1,401.98 | 3      | 1,676.79 | 3      | 1,951.59 | 3      | 2,226.39 | 3      | 2,501.20 |
| 3 1/4  | 40.64  | 3 1/4  | 315.22 | 3 1/4  | 590.01 | 3 1/4  | 858.65   | 3 1/4  | 1,132.90 | 3 1/4  | 1,407.71 | 3 1/4  | 1,682.51 | 3 1/4  | 1,957.31 | 3 1/4  | 2,232.12 | 3 1/4  | 2,506.92 |
| 3 1/2  | 46.32  | 3 1/2  | 320.94 | 3 1/2  | 595.74 | 3 1/2  | 864.15   | 3 1/2  | 1,138.63 | 3 1/2  | 1,413.43 | 3 1/2  | 1,688.24 | 3 1/2  | 1,963.04 | 3 1/2  | 2,237.84 | 3 1/2  | 2,512.65 |
| 3 3/4  | 51.99  | 3 3/4  | 326.67 | 3 3/4  | 601.46 | 3 3/4  | 869.71   | 3 3/4  | 1,144.35 | 3 3/4  | 1,419.16 | 3 3/4  | 1,693.96 | 3 3/4  | 1,968.77 | 3 3/4  | 2,243.57 | 3 3/4  | 2,518.37 |
| 4      | 57.67  | 4      | 332.39 | 4      | 607.19 | 4      | 875.27   | 4      | 1,150.08 | 4      | 1,424.88 | 4      | 1,699.69 | 4      | 1,974.49 | 4      | 2,249.30 | 4      | 2,524.10 |
| 4 1/4  | 63.38  | 4 1/4  | 338.12 | 4 1/4  | 612.91 | 4 1/4  | 881.00   | 4 1/4  | 1,155.80 | 4 1/4  | 1,430.61 | 4 1/4  | 1,705.41 | 4 1/4  | 1,980.22 | 4 1/4  | 2,255.02 | 4 1/4  | 2,529.82 |
| 4 1/2  | 69.09  | 4 1/2  | 343.84 | 4 1/2  | 618.64 | 4 1/2  | 886.72   | 4 1/2  | 1,161.53 | 4 1/2  | 1,436.33 | 4 1/2  | 1,711.14 | 4 1/2  | 1,985.94 | 4 1/2  | 2,260.75 | 4 1/2  | 2,535.55 |
| 4 3/4  | 74.80  | 4 3/4  | 349.57 | 4 3/4  | 624.36 | 4 3/4  | 892.45   | 4 3/4  | 1,167.25 | 4 3/4  | 1,442.06 | 4 3/4  | 1,716.86 | 4 3/4  | 1,991.67 | 4 3/4  | 2,266.47 | 4 3/4  | 2,541.28 |
| 5      | 80.51  | 5      | 355.29 | 5      | 630.09 | 5      | 898.17   | 5      | 1,172.98 | 5      | 1,447.78 | 5      | 1,722.59 | 5      | 1,997.39 | 5      | 2,272.20 | 5      | 2,547.00 |
| 5 1/4  | 86.23  | 5 1/4  | 361.02 | 5 1/4  | 635.81 | 5 1/4  | 903.90   | 5 1/4  | 1,178.70 | 5 1/4  | 1,453.51 | 5 1/4  | 1,728.31 | 5 1/4  | 2,003.12 | 5 1/4  | 2,277.92 | 5 1/4  | 2,552.73 |
| 5 1/2  | 91.96  | 5 1/2  | 366.74 | 5 1/2  | 641.54 | 5 1/2  | 909.62   | 5 1/2  | 1,184.43 | 5 1/2  | 1,459.23 | 5 1/2  | 1,734.04 | 5 1/2  | 2,008.84 | 5 1/2  | 2,283.65 | 5 1/2  | 2,558.45 |
| 5 3/4  | 97.68  | 5 3/4  | 372.47 | 5 3/4  | 647.26 | 5 3/4  | 915.35   | 5 3/4  | 1,190.15 | 5 3/4  | 1,464.96 | 5 3/4  | 1,740.76 | 5 3/4  | 2,014.57 | 5 3/4  | 2,289.37 | 5 3/4  | 2,564.18 |
| 6      | 103.40 | 6      | 378.19 | 6      | 652.99 | 6      | 921.07   | 6      | 1,195.88 | 6      | 1,470.68 | 6      | 1,745.49 | 6      | 2,020.29 | 6      | 2,295.10 | 6      | 2,569.90 |
| 6 1/4  | 109.13 | 6 1/4  | 383.92 | 6 1/4  | 658.54 | 6 1/4  | 926.80   | 6 1/4  | 1,201.60 | 6 1/4  | 1,476.41 | 6 1/4  | 1,751.21 | 6 1/4  | 2,026.02 | 6 1/4  | 2,300.82 | 6 1/4  | 2,575.63 |
| 6 1/2  | 114.85 | 6 1/2  | 389.64 | 6 1/2  | 664.10 | 6 1/2  | 932.52   | 6 1/2  | 1,207.33 | 6 1/2  | 1,482.13 | 6 1/2  | 1,756.94 | 6 1/2  | 2,031.74 | 6 1/2  | 2,306.55 | 6 1/2  | 2,581.35 |
| 6 3/4  | 120.58 | 6 3/4  | 395.37 | 6 3/4  | 669.66 | 6 3/4  | 938.25   | 6 3/4  | 1,213.05 | 6 3/4  | 1,487.86 | 6 3/4  | 1,762.66 | 6 3/4  | 2,037.47 | 6 3/4  | 2,312.27 | 6 3/4  | 2,587.08 |
| 7      | 126.30 | 7      | 401.09 | 7      | 675.22 | 7      | 943.97   | 7      | 1,218.78 | 7      | 1,493.58 | 7      | 1,768.39 | 7      | 2,043.19 | 7      | 2,318.00 | 7      | 2,592.80 |
| 7 1/4  | 132.03 | 7 1/4  | 406.82 | 7 1/4  | 680.77 | 7 1/4  | 949.70   | 7 1/4  | 1,224.50 | 7 1/4  | 1,499.31 | 7 1/4  | 1,774.11 | 7 1/4  | 2,048.92 | 7 1/4  | 2,323.72 | 7 1/4  | 2,598.53 |
| 7 1/2  | 137.75 | 7 1/2  | 412.54 | 7 1/2  | 686.33 | 7 1/2  | 955.42   | 7 1/2  | 1,230.23 | 7 1/2  | 1,505.03 | 7 1/2  | 1,779.84 | 7 1/2  | 2,054.64 | 7 1/2  | 2,329.45 | 7 1/2  | 2,604.25 |
| 7 3/4  | 143.48 | 7 3/4  | 418.27 | 7 3/4  | 691.89 | 7 3/4  | 961.15   | 7 3/4  | 1,235.95 | 7 3/4  | 1,510.76 | 7 3/4  | 1,785.56 | 7 3/4  | 2,060.37 | 7 3/4  | 2,335.17 | 7 3/4  | 2,609.98 |
| 8      | 149.20 | 8      | 423.99 | 8      | 697.44 | 8      | 966.87   | 8      | 1,241.68 | 8      | 1,516.48 | 8      | 1,791.29 | 8      | 2,066.09 | 8      | 2,340.90 | 8      | 2,615.70 |
| 8 1/4  | 154.92 | 8 1/4  | 429.72 | 8 1/4  | 703.00 | 8 1/4  | 972.60   | 8 1/4  | 1,247.40 | 8 1/4  | 1,522.21 | 8 1/4  | 1,797.01 | 8 1/4  | 2,071.82 | 8 1/4  | 2,346.62 | 8 1/4  | 2,621.43 |
| 8 1/2  | 160.65 | 8 1/2  | 435.44 | 8 1/2  | 708.56 | 8 1/2  | 978.32   | 8 1/2  | 1,253.13 | 8 1/2  | 1,527.93 | 8 1/2  | 1,802.74 | 8 1/2  | 2,077.54 | 8 1/2  | 2,352.35 | 8 1/2  | 2,627.15 |
| 8 3/4  | 166.37 | 8 3/4  | 441.17 | 8 3/4  | 714.11 | 8 3/4  | 984.05   | 8 3/4  | 1,258.85 | 8 3/4  | 1,533.66 | 8 3/4  | 1,808.46 | 8 3/4  | 2,083.27 | 8 3/4  | 2,358.07 | 8 3/4  | 2,632.88 |
| 9      | 172.10 | 9      | 446.89 | 9      | 719.67 | 9      | 989.77   | 9      | 1,264.58 | 9      | 1,539.38 | 9      | 1,814.19 | 9      | 2,088.99 | 9      | 2,363.80 | 9      | 2,638.60 |
| 9 1/4  | 177.82 | 9 1/4  | 452.62 | 9 1/4  | 725.23 | 9 1/4  | 995.50   | 9 1/4  | 1,270.30 | 9 1/4  | 1,545.11 | 9 1/4  | 1,819.91 | 9 1/4  | 2,094.72 | 9 1/4  | 2,369.52 | 9 1/4  | 2,644.33 |
| 9 1/2  | 183.55 | 9 1/2  | 458.34 | 9 1/2  | 730.78 | 9 1/2  | 1,001.22 | 9 1/2  | 1,276.03 | 9 1/2  | 1,550.83 | 9 1/2  | 1,825.64 | 9 1/2  | 2,100.44 | 9 1/2  | 2,375.25 | 9 1/2  | 2,650.05 |
| 9 3/4  | 189.27 | 9 3/4  | 464.07 | 9 3/4  | 736.34 | 9 3/4  | 1,006.95 | 9 3/4  | 1,281.75 | 9 3/4  | 1,556.56 | 9 3/4  | 1,831.36 | 9 3/4  | 2,106.17 | 9 3/4  | 2,380.97 | 9 3/4  | 2,655.78 |
| 10     | 195.00 | 10     | 469.79 | 10     | 741.90 | 10     | 1,012.67 | 10     | 1,287.48 | 10     | 1,562.28 | 10     | 1,837.09 | 10     | 2,111.89 | 10     | 2,386.70 | 10     | 2,661.50 |
| 10 1/4 | 200.72 | 10 1/4 | 475.52 | 10 1/4 | 747.45 | 10 1/4 | 1,018.40 | 10 1/4 | 1,293.20 | 10 1/4 | 1,568.01 | 10 1/4 | 1,842.81 | 10 1/4 | 2,117.62 | 10 1/4 | 2,392.42 | 10 1/4 | 2,667.23 |
| 10 1/2 | 206.45 | 10 1/2 | 481.24 | 10 1/2 | 753.01 | 10 1/2 | 1,024.12 | 10 1/2 | 1,298.93 | 10 1/2 | 1,573.73 | 10 1/2 | 1,848.54 | 10 1/2 | 2,123.34 | 10 1/2 | 2,398.15 | 10 1/2 | 2,672.95 |
| 10 3/4 | 212.17 | 10 3/4 | 486.97 | 10 3/4 | 758.57 | 10 3/4 | 1,029.85 | 10 3/4 | 1,304.65 | 10 3/4 | 1,579.46 | 10 3/4 | 1,854.26 | 10 3/4 | 2,129.07 | 10 3/4 | 2,403.87 | 10 3/4 | 2,678.68 |
| 11     | 217.90 | 11     | 492.69 | 11     | 764.12 | 11     | 1,035.57 | 11     | 1,310.38 | 11     | 1,585.18 | 11     | 1,859.99 | 11     | 2,134.79 | 11     | 2,409.60 | 11     | 2,684.40 |
| 11 1/4 | 223.62 | 11 1/4 | 498.42 | 11 1/4 | 769.68 | 11 1/4 | 1,041.30 | 11 1/4 | 1,316.10 | 11 1/4 | 1,590.91 | 11 1/4 | 1,865.71 | 11 1/4 | 2,140.52 | 11 1/4 | 2,415.32 | 11 1/4 | 2,690.13 |
| 11 1/2 | 229.35 | 11 1/2 | 504.14 | 11 1/2 | 775.24 | 11 1/2 | 1,047.02 | 11 1/2 | 1,321.83 | 11 1/2 | 1,596.63 | 11 1/2 | 1,871.44 | 11 1/2 | 2,146.24 | 11 1/2 | 2,421.05 | 11 1/2 | 2,695.85 |
| 11 3/4 | 235.07 | 11 3/4 | 509.87 | 11 3/4 | 780.79 | 11 3/4 | 1,052.75 | 11 3/4 | 1,327.55 | 11 3/4 | 1,602.36 | 11 3/4 | 1,877.16 | 11 3/4 | 2,151.97 | 11 3/4 | 2,426.77 | 11 3/4 | 2,701.58 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE ONLY APPLIES 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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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# BARGE "IB 1983"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT.   | IN  | 15 FT.   | IN  | 16 FT.   | IN  | 17 FT.   | IN  | 18 FT.   | IN  | 19 FT.   |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   | 2,707.30 | 0   | 2,982.11 | 0   | 3,256.91 | 0   | 3,531.72 | 0   | 3,806.53 | 0   | 4,081.34 | 0   | 4,356.15 | 0   | 4,630.96 | 0   | 4,905.77 | 0   | 5,180.58 |
| 1/4 | 2,713.03 | 1/4 | 2,987.83 | 1/4 | 3,262.64 | 1/4 | 3,537.44 | 1/4 | 3,812.25 | 1/4 | 4,087.06 | 1/4 | 4,361.87 | 1/4 | 4,636.68 | 1/4 | 4,911.49 | 1/4 | 5,186.30 |
| 1/2 | 2,718.75 | 1/2 | 2,993.56 | 1/2 | 3,268.36 | 1/2 | 3,543.17 | 1/2 | 3,816.69 | 1/2 | 4,091.50 | 1/2 | 4,366.31 | 1/2 | 4,641.12 | 1/2 | 4,915.93 | 1/2 | 5,191.74 |
| 3/4 | 2,724.48 | 3/4 | 2,999.28 | 3/4 | 3,274.09 | 3/4 | 3,548.89 | 3/4 | 3,821.85 | 3/4 | 4,096.66 | 3/4 | 4,371.47 | 3/4 | 4,646.28 | 3/4 | 4,921.09 | 3/4 | 5,195.90 |
| 1   | 2,730.20 | 1   | 3,005.01 | 1   | 3,279.81 | 1   | 3,554.62 | 1   | 3,827.02 | 1   | 4,101.83 | 1   | 4,376.64 | 1   | 4,651.45 | 1   | 4,926.26 | 1   | 5,200.71 |
| 1/4 | 2,735.93 | 1/4 | 3,010.73 | 1/4 | 3,285.54 | 1/4 | 3,560.34 | 1/4 | 3,830.36 | 1/4 | 4,105.38 | 1/4 | 4,380.39 | 1/4 | 4,655.40 | 1/4 | 4,930.41 | 1/4 | 5,205.42 |
| 1/2 | 2,741.65 | 1/2 | 3,016.46 | 1/2 | 3,291.26 | 1/2 | 3,565.07 | 1/2 | 3,835.70 | 1/2 | 4,110.72 | 1/2 | 4,385.73 | 1/2 | 4,660.74 | 1/2 | 4,935.75 | 1/2 | 5,210.43 |
| 3/4 | 2,747.38 | 3/4 | 3,022.18 | 3/4 | 3,296.99 | 3/4 | 3,571.79 | 3/4 | 3,837.04 | 3/4 | 4,115.74 | 3/4 | 4,390.75 | 3/4 | 4,665.76 | 3/4 | 4,940.77 | 3/4 | 5,215.44 |
| 2   | 2,753.10 | 2   | 3,027.91 | 2   | 3,302.71 | 2   | 3,577.52 | 2   | 3,840.38 | 2   | 4,120.79 | 2   | 4,395.80 | 2   | 4,670.81 | 2   | 4,945.82 | 2   | 5,220.45 |
| 1/4 | 2,758.83 | 1/4 | 3,033.63 | 1/4 | 3,308.44 | 1/4 | 3,583.24 | 1/4 | 3,845.81 | 1/4 | 4,125.80 | 1/4 | 4,400.81 | 1/4 | 4,675.82 | 1/4 | 4,950.83 | 1/4 | 5,225.46 |
| 1/2 | 2,764.55 | 1/2 | 3,039.36 | 1/2 | 3,314.16 | 1/2 | 3,588.97 | 1/2 | 3,848.24 | 1/2 | 4,130.81 | 1/2 | 4,405.82 | 1/2 | 4,680.83 | 1/2 | 4,955.84 | 1/2 | 5,230.47 |
| 3/4 | 2,770.28 | 3/4 | 3,045.08 | 3/4 | 3,319.89 | 3/4 | 3,594.69 | 3/4 | 3,853.52 | 3/4 | 4,135.82 | 3/4 | 4,410.83 | 3/4 | 4,685.84 | 3/4 | 4,960.85 | 3/4 | 5,235.48 |
| 3   | 2,776.00 | 3   | 3,050.81 | 3   | 3,325.61 | 3   | 3,600.42 | 3   | 3,858.11 | 3   | 4,140.83 | 3   | 4,415.84 | 3   | 4,690.85 | 3   | 4,965.86 | 3   | 5,240.49 |
| 1/4 | 2,781.73 | 1/4 | 3,056.53 | 1/4 | 3,331.34 | 1/4 | 3,606.14 | 1/4 | 3,863.34 | 1/4 | 4,145.84 | 1/4 | 4,420.85 | 1/4 | 4,695.86 | 1/4 | 4,970.87 | 1/4 | 5,245.50 |
| 1/2 | 2,787.45 | 1/2 | 3,062.26 | 1/2 | 3,337.06 | 1/2 | 3,611.87 | 1/2 | 3,868.34 | 1/2 | 4,150.85 | 1/2 | 4,425.86 | 1/2 | 4,700.87 | 1/2 | 4,975.88 | 1/2 | 5,250.51 |
| 3/4 | 2,793.18 | 3/4 | 3,067.98 | 3/4 | 3,342.79 | 3/4 | 3,617.59 | 3/4 | 3,871.04 | 3/4 | 4,155.86 | 3/4 | 4,430.87 | 3/4 | 4,705.88 | 3/4 | 4,980.89 | 3/4 | 5,255.52 |
| 4   | 2,798.90 | 4   | 3,073.71 | 4   | 3,348.51 | 4   | 3,623.32 | 4   | 3,874.33 | 4   | 4,160.87 | 4   | 4,435.88 | 4   | 4,710.89 | 4   | 4,985.90 | 4   | 5,260.53 |
| 1/4 | 2,804.63 | 1/4 | 3,079.43 | 1/4 | 3,354.24 | 1/4 | 3,629.04 | 1/4 | 3,877.04 | 1/4 | 4,165.89 | 1/4 | 4,440.89 | 1/4 | 4,715.90 | 1/4 | 4,990.91 | 1/4 | 5,265.54 |
| 1/2 | 2,810.35 | 1/2 | 3,085.16 | 1/2 | 3,359.96 | 1/2 | 3,634.77 | 1/2 | 3,880.34 | 1/2 | 4,170.90 | 1/2 | 4,445.91 | 1/2 | 4,720.91 | 1/2 | 4,995.92 | 1/2 | 5,270.55 |
| 3/4 | 2,816.08 | 3/4 | 3,090.88 | 3/4 | 3,365.69 | 3/4 | 3,640.49 | 3/4 | 3,883.24 | 3/4 | 4,175.91 | 3/4 | 4,450.92 | 3/4 | 4,725.92 | 3/4 | 5,000.93 | 3/4 | 5,275.56 |
| 5   | 2,821.81 | 5   | 3,096.61 | 5   | 3,371.41 | 5   | 3,646.22 | 5   | 3,886.11 | 5   | 4,180.92 | 5   | 4,455.93 | 5   | 4,730.93 | 5   | 5,005.94 | 5   | 5,280.57 |
| 1/4 | 2,827.53 | 1/4 | 3,102.33 | 1/4 | 3,377.14 | 1/4 | 3,651.94 | 1/4 | 3,889.34 | 1/4 | 4,185.93 | 1/4 | 4,460.94 | 1/4 | 4,735.94 | 1/4 | 5,010.95 | 1/4 | 5,285.58 |
| 1/2 | 2,833.26 | 1/2 | 3,108.06 | 1/2 | 3,382.86 | 1/2 | 3,657.67 | 1/2 | 3,892.04 | 1/2 | 4,190.94 | 1/2 | 4,465.95 | 1/2 | 4,740.95 | 1/2 | 5,015.96 | 1/2 | 5,290.59 |
| 3/4 | 2,838.98 | 3/4 | 3,113.79 | 3/4 | 3,388.59 | 3/4 | 3,663.39 | 3/4 | 3,894.67 | 3/4 | 4,195.95 | 3/4 | 4,470.96 | 3/4 | 4,745.96 | 3/4 | 5,020.97 | 3/4 | 5,295.60 |
| 6   | 2,844.71 | 6   | 3,119.51 | 6   | 3,394.32 | 6   | 3,669.12 | 6   | 3,899.34 | 6   | 4,200.96 | 6   | 4,475.97 | 6   | 4,750.97 | 6   | 5,025.98 | 6   | 5,300.61 |
| 1/4 | 2,850.43 | 1/4 | 3,125.24 | 1/4 | 3,400.04 | 1/4 | 3,674.84 | 1/4 | 3,904.67 | 1/4 | 4,205.97 | 1/4 | 4,480.98 | 1/4 | 4,755.98 | 1/4 | 5,030.99 | 1/4 | 5,305.62 |
| 1/2 | 2,856.16 | 1/2 | 3,130.96 | 1/2 | 3,405.77 | 1/2 | 3,680.57 | 1/2 | 3,909.67 | 1/2 | 4,210.98 | 1/2 | 4,485.99 | 1/2 | 4,760.99 | 1/2 | 5,035.00 | 1/2 | 5,310.63 |
| 3/4 | 2,861.88 | 3/4 | 3,136.69 | 3/4 | 3,411.49 | 3/4 | 3,686.30 | 3/4 | 3,914.67 | 3/4 | 4,215.99 | 3/4 | 4,490.00 | 3/4 | 4,765.00 | 3/4 | 5,040.01 | 3/4 | 5,315.64 |
| 7   | 2,867.61 | 7   | 3,142.41 | 7   | 3,417.22 | 7   | 3,692.02 | 7   | 3,919.67 | 7   | 4,220.00 | 7   | 4,495.01 | 7   | 4,770.01 | 7   | 5,045.02 | 7   | 5,320.65 |
| 1/4 | 2,873.33 | 1/4 | 3,148.14 | 1/4 | 3,422.94 | 1/4 | 3,697.75 | 1/4 | 3,924.67 | 1/4 | 4,225.01 | 1/4 | 4,500.02 | 1/4 | 4,775.02 | 1/4 | 5,050.03 | 1/4 | 5,325.66 |
| 1/2 | 2,879.06 | 1/2 | 3,153.86 | 1/2 | 3,428.67 | 1/2 | 3,703.47 | 1/2 | 3,929.67 | 1/2 | 4,230.02 | 1/2 | 4,505.03 | 1/2 | 4,780.03 | 1/2 | 5,055.04 | 1/2 | 5,330.67 |
| 3/4 | 2,884.78 | 3/4 | 3,159.59 | 3/4 | 3,434.39 | 3/4 | 3,709.20 | 3/4 | 3,934.67 | 3/4 | 4,235.03 | 3/4 | 4,510.04 | 3/4 | 4,785.04 | 3/4 | 5,060.05 | 3/4 | 5,335.68 |
| 8   | 2,890.51 | 8   | 3,165.31 | 8   | 3,440.12 | 8   | 3,714.92 | 8   | 3,939.67 | 8   | 4,240.04 | 8   | 4,515.05 | 8   | 4,790.05 | 8   | 5,065.06 | 8   | 5,340.69 |
| 1/4 | 2,896.23 | 1/4 | 3,171.04 | 1/4 | 3,445.84 | 1/4 | 3,720.65 | 1/4 | 3,944.67 | 1/4 | 4,245.05 | 1/4 | 4,520.06 | 1/4 | 4,795.06 | 1/4 | 5,070.07 | 1/4 | 5,345.70 |
| 1/2 | 2,901.96 | 1/2 | 3,176.76 | 1/2 | 3,451.57 | 1/2 | 3,726.37 | 1/2 | 3,949.67 | 1/2 | 4,250.06 | 1/2 | 4,525.07 | 1/2 | 4,800.07 | 1/2 | 5,075.08 | 1/2 | 5,350.71 |
| 3/4 | 2,907.68 | 3/4 | 3,182.49 | 3/4 | 3,457.29 | 3/4 | 3,732.10 | 3/4 | 3,954.67 | 3/4 | 4,255.07 | 3/4 | 4,530.08 | 3/4 | 4,805.08 | 3/4 | 5,080.09 | 3/4 | 5,355.72 |
| 9   | 2,913.41 | 9   | 3,188.21 | 9   | 3,463.02 | 9   | 3,737.82 | 9   | 3,959.67 | 9   | 4,260.08 | 9   | 4,535.09 | 9   | 4,810.09 | 9   | 5,085.10 | 9   | 5,360.73 |
| 1/4 | 2,919.13 | 1/4 | 3,193.94 | 1/4 | 3,468.74 | 1/4 | 3,743.55 | 1/4 | 3,964.67 | 1/4 | 4,265.09 | 1/4 | 4,540.10 | 1/4 | 4,815.10 | 1/4 | 5,090.11 | 1/4 | 5,365.74 |
| 1/2 | 2,924.86 | 1/2 | 3,199.66 | 1/2 | 3,474.47 | 1/2 | 3,749.28 | 1/2 | 3,969.67 | 1/2 | 4,270.10 | 1/2 | 4,545.11 | 1/2 | 4,820.11 | 1/2 | 5,095.12 | 1/2 | 5,370.75 |
| 3/4 | 2,930.58 | 3/4 | 3,205.39 | 3/4 | 3,480.19 | 3/4 | 3,755.01 | 3/4 | 3,974.67 | 3/4 | 4,275.11 | 3/4 | 4,550.12 | 3/4 | 4,825.12 | 3/4 | 5,100.13 | 3/4 | 5,375.76 |
| 10  | 2,936.31 | 10  | 3,211.11 | 10  | 3,485.92 | 10  | 3,760.74 | 10  | 3,980.67 | 10  | 4,280.12 | 10  | 4,555.13 | 10  | 4,830.13 | 10  | 5,105.14 | 10  | 5,380.77 |
| 1/4 | 2,942.03 | 1/4 | 3,216.84 | 1/4 | 3,491.64 | 1/4 | 3,766.45 | 1/4 | 3,985.67 | 1/4 | 4,285.13 | 1/4 | 4,560.14 | 1/4 | 4,835.14 | 1/4 | 5,110.15 | 1/4 | 5,385.78 |
| 1/2 | 2,947.76 | 1/2 | 3,222.56 | 1/2 | 3,497.37 | 1/2 | 3,772.17 | 1/2 | 3,990.67 | 1/2 | 4,290.14 | 1/2 | 4,565.15 | 1/2 | 4,840.15 | 1/2 | 5,115.16 | 1/2 | 5,390.79 |
| 3/4 | 2,953.48 | 3/4 | 3,228.29 | 3/4 | 3,503.09 | 3/4 | 3,777.88 | 3/4 | 3,995.67 | 3/4 | 4,295.15 | 3/4 | 4,570.16 | 3/4 | 4,845.16 | 3/4 | 5,120.17 | 3/4 | 5,395.80 |
| 11  | 2,959.21 | 11  | 3,234.01 | 11  | 3,508.82 | 11  | 3,783.60 | 11  | 3,999.67 | 11  | 4,300.16 | 11  | 4,575.17 | 11  | 4,850.17 | 11  | 5,125.18 | 11  | 5,400.81 |
| 1/4 | 2,964.93 | 1/4 | 3,239.74 | 1/4 | 3,514.54 | 1/4 | 3,789.29 | 1/4 | 4,004.67 | 1/4 | 4,305.17 | 1/4 | 4,580.18 | 1/4 | 4,855.18 | 1/4 | 5,130.19 | 1/4 | 5,405.82 |
| 1/2 | 2,970.66 | 1/2 | 3,245.46 | 1/2 | 3,520.27 | 1/2 | 3,794.97 | 1/2 | 4,009.67 | 1/2 | 4,310.18 | 1/2 | 4,585.19 | 1/2 | 4,860.19 | 1/2 | 5,135.20 | 1/2 | 5,410.83 |
| 3/4 | 2,976.38 | 3/4 | 3,251.19 | 3/4 | 3,525.99 | 3/4 | 3,800.66 | 3/4 | 4,014.67 | 3/4 | 4,315.19 | 3/4 | 4,590.20 | 3/4 | 4,865.20 | 3/4 | 5,140.21 | 3/4 | 5,415.84 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL  
CALCULATED: 10/20/2017 CL  
PRINTED: 10/20/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/20/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "IB 1983"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

| 0 FT. |        | 1 FT. |        | 2 FT. |        | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |
|-------|--------|-------|--------|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN    | 0 FT.  | IN    | 1 FT.  | IN    | 2 FT.  | IN    | 3 FT.    | IN    | 4 FT.    | IN    | 5 FT.    | IN    | 6 FT.    | IN    | 7 FT.    | IN    | 8 FT.    | IN    | 9 FT.    |
| 0     | 0.63   | 0     | 239.28 | 0     | 512.35 | 0     | 786.16   | 0     | 1,058.07 | 0     | 1,331.15 | 0     | 1,604.23 | 0     | 1,877.30 | 0     | 2,150.38 | 0     | 2,423.46 |
| 1/4   | 1.58   | 1/4   | 244.97 | 1/4   | 518.03 | 1/4   | 790.83   | 1/4   | 1,063.76 | 1/4   | 1,336.84 | 1/4   | 1,609.91 | 1/4   | 1,882.99 | 1/4   | 2,156.07 | 1/4   | 2,429.14 |
| 1/2   | 2.52   | 1/2   | 250.66 | 1/2   | 523.72 | 1/2   | 796.51   | 1/2   | 1,069.45 | 1/2   | 1,342.53 | 1/2   | 1,615.60 | 1/2   | 1,888.68 | 1/2   | 2,161.76 | 1/2   | 2,434.83 |
| 3/4   | 3.47   | 3/4   | 256.35 | 3/4   | 529.41 | 3/4   | 802.19   | 3/4   | 1,075.14 | 3/4   | 1,348.22 | 3/4   | 1,621.29 | 3/4   | 1,894.37 | 3/4   | 2,167.45 | 3/4   | 2,440.52 |
| 1     | 4.42   | 1     | 262.04 | 1     | 535.10 | 1     | 807.87   | 1     | 1,080.83 | 1     | 1,353.90 | 1     | 1,626.98 | 1     | 1,900.06 | 1     | 2,173.14 | 1     | 2,446.21 |
| 1/4   | 7.26   | 1/4   | 267.73 | 1/4   | 540.79 | 1/4   | 813.55   | 1/4   | 1,086.52 | 1/4   | 1,359.59 | 1/4   | 1,632.67 | 1/4   | 1,905.75 | 1/4   | 2,178.82 | 1/4   | 2,451.90 |
| 1/2   | 10.11  | 1/2   | 273.42 | 1/2   | 546.48 | 1/2   | 819.23   | 1/2   | 1,092.21 | 1/2   | 1,365.28 | 1/2   | 1,638.36 | 1/2   | 1,911.44 | 1/2   | 2,184.52 | 1/2   | 2,457.59 |
| 3/4   | 12.95  | 3/4   | 279.11 | 3/4   | 552.17 | 3/4   | 824.90   | 3/4   | 1,097.50 | 3/4   | 1,370.97 | 3/4   | 1,644.05 | 3/4   | 1,917.13 | 3/4   | 2,190.20 | 3/4   | 2,463.28 |
| 2     | 15.80  | 2     | 284.79 | 2     | 557.86 | 2     | 830.58   | 2     | 1,103.58 | 2     | 1,382.35 | 2     | 1,656.81 | 2     | 1,922.81 | 2     | 2,195.89 | 2     | 2,468.97 |
| 1/4   | 20.54  | 1/4   | 290.48 | 1/4   | 563.55 | 1/4   | 836.26   | 1/4   | 1,109.27 | 1/4   | 1,382.35 | 1/4   | 1,656.81 | 1/4   | 1,922.81 | 1/4   | 2,195.89 | 1/4   | 2,474.66 |
| 1/2   | 25.27  | 1/2   | 296.17 | 1/2   | 569.23 | 1/2   | 841.94   | 1/2   | 1,114.96 | 1/2   | 1,388.04 | 1/2   | 1,661.12 | 1/2   | 1,934.19 | 1/2   | 2,201.58 | 1/2   | 2,480.35 |
| 3/4   | 30.01  | 3/4   | 301.86 | 3/4   | 574.92 | 3/4   | 847.62   | 3/4   | 1,120.65 | 3/4   | 1,393.73 | 3/4   | 1,666.81 | 3/4   | 1,939.88 | 3/4   | 2,207.27 | 3/4   | 2,486.04 |
| 3     | 34.75  | 3     | 307.55 | 3     | 580.61 | 3     | 853.30   | 3     | 1,126.34 | 3     | 1,399.42 | 3     | 1,672.49 | 3     | 1,945.57 | 3     | 2,213.96 | 3     | 2,491.72 |
| 1/4   | 40.39  | 1/4   | 313.24 | 1/4   | 586.30 | 1/4   | 858.98   | 1/4   | 1,132.03 | 1/4   | 1,405.11 | 1/4   | 1,678.18 | 1/4   | 1,951.26 | 1/4   | 2,220.34 | 1/4   | 2,497.41 |
| 1/2   | 46.03  | 1/2   | 318.93 | 1/2   | 591.99 | 1/2   | 864.66   | 1/2   | 1,137.72 | 1/2   | 1,410.80 | 1/2   | 1,683.87 | 1/2   | 1,956.95 | 1/2   | 2,226.03 | 1/2   | 2,503.10 |
| 3/4   | 51.67  | 3/4   | 324.62 | 3/4   | 597.68 | 3/4   | 870.34   | 3/4   | 1,143.41 | 3/4   | 1,416.48 | 3/4   | 1,689.56 | 3/4   | 1,962.64 | 3/4   | 2,231.72 | 3/4   | 2,508.79 |
| 4     | 57.31  | 4     | 330.30 | 4     | 603.37 | 4     | 876.02   | 4     | 1,149.10 | 4     | 1,422.17 | 4     | 1,695.25 | 4     | 1,968.33 | 4     | 2,237.35 | 4     | 2,514.48 |
| 1/4   | 62.98  | 1/4   | 335.99 | 1/4   | 609.06 | 1/4   | 881.71   | 1/4   | 1,154.79 | 1/4   | 1,427.86 | 1/4   | 1,700.94 | 1/4   | 1,974.02 | 1/4   | 2,242.99 | 1/4   | 2,520.17 |
| 1/2   | 68.66  | 1/2   | 341.68 | 1/2   | 614.74 | 1/2   | 887.40   | 1/2   | 1,160.48 | 1/2   | 1,433.55 | 1/2   | 1,706.63 | 1/2   | 1,979.71 | 1/2   | 2,248.60 | 1/2   | 2,525.86 |
| 3/4   | 74.33  | 3/4   | 347.37 | 3/4   | 620.43 | 3/4   | 893.09   | 3/4   | 1,166.16 | 3/4   | 1,439.24 | 3/4   | 1,712.32 | 3/4   | 1,985.39 | 3/4   | 2,254.28 | 3/4   | 2,531.55 |
| 5     | 80.01  | 5     | 353.06 | 5     | 626.12 | 5     | 898.78   | 5     | 1,171.85 | 5     | 1,444.93 | 5     | 1,718.01 | 5     | 1,991.08 | 5     | 2,259.91 | 5     | 2,537.24 |
| 1/4   | 85.69  | 1/4   | 358.75 | 1/4   | 631.81 | 1/4   | 904.47   | 1/4   | 1,177.54 | 1/4   | 1,450.62 | 1/4   | 1,723.70 | 1/4   | 1,996.77 | 1/4   | 2,265.56 | 1/4   | 2,542.93 |
| 1/2   | 91.38  | 1/2   | 364.44 | 1/2   | 637.50 | 1/2   | 910.15   | 1/2   | 1,183.23 | 1/2   | 1,456.31 | 1/2   | 1,729.39 | 1/2   | 2,002.46 | 1/2   | 2,271.19 | 1/2   | 2,548.62 |
| 3/4   | 97.07  | 3/4   | 370.13 | 3/4   | 643.19 | 3/4   | 915.84   | 3/4   | 1,188.92 | 3/4   | 1,462.00 | 3/4   | 1,735.07 | 3/4   | 2,008.15 | 3/4   | 2,276.84 | 3/4   | 2,554.30 |
| 6     | 102.76 | 6     | 375.81 | 6     | 648.88 | 6     | 921.53   | 6     | 1,194.61 | 6     | 1,467.69 | 6     | 1,740.76 | 6     | 2,013.84 | 6     | 2,282.47 | 6     | 2,559.99 |
| 1/4   | 108.44 | 1/4   | 381.50 | 1/4   | 654.56 | 1/4   | 927.22   | 1/4   | 1,200.30 | 1/4   | 1,473.38 | 1/4   | 1,746.45 | 1/4   | 2,019.53 | 1/4   | 2,288.12 | 1/4   | 2,565.68 |
| 1/2   | 114.13 | 1/2   | 387.19 | 1/2   | 660.23 | 1/2   | 932.91   | 1/2   | 1,205.99 | 1/2   | 1,479.06 | 1/2   | 1,752.14 | 1/2   | 2,025.22 | 1/2   | 2,293.75 | 1/2   | 2,571.37 |
| 3/4   | 119.82 | 3/4   | 392.88 | 3/4   | 665.91 | 3/4   | 938.60   | 3/4   | 1,211.68 | 3/4   | 1,484.75 | 3/4   | 1,757.83 | 3/4   | 2,030.91 | 3/4   | 2,300.38 | 3/4   | 2,577.06 |
| 7     | 125.51 | 7     | 398.57 | 7     | 671.59 | 7     | 944.29   | 7     | 1,217.37 | 7     | 1,490.44 | 7     | 1,763.52 | 7     | 2,036.60 | 7     | 2,306.07 | 7     | 2,582.75 |
| 1/4   | 131.20 | 1/4   | 404.26 | 1/4   | 677.27 | 1/4   | 949.98   | 1/4   | 1,223.06 | 1/4   | 1,496.13 | 1/4   | 1,769.21 | 1/4   | 2,042.29 | 1/4   | 2,311.76 | 1/4   | 2,588.44 |
| 1/2   | 136.89 | 1/2   | 409.95 | 1/2   | 682.95 | 1/2   | 955.67   | 1/2   | 1,228.74 | 1/2   | 1,501.82 | 1/2   | 1,774.90 | 1/2   | 2,047.97 | 1/2   | 2,317.45 | 1/2   | 2,594.13 |
| 3/4   | 142.58 | 3/4   | 415.64 | 3/4   | 688.63 | 3/4   | 961.36   | 3/4   | 1,234.43 | 3/4   | 1,507.51 | 3/4   | 1,780.59 | 3/4   | 2,053.66 | 3/4   | 2,323.14 | 3/4   | 2,599.82 |
| 8     | 148.27 | 8     | 421.33 | 8     | 694.30 | 8     | 967.05   | 8     | 1,240.12 | 8     | 1,513.20 | 8     | 1,786.28 | 8     | 2,059.35 | 8     | 2,328.83 | 8     | 2,605.51 |
| 1/4   | 153.95 | 1/4   | 427.01 | 1/4   | 699.98 | 1/4   | 972.74   | 1/4   | 1,245.81 | 1/4   | 1,518.89 | 1/4   | 1,791.97 | 1/4   | 2,065.04 | 1/4   | 2,334.52 | 1/4   | 2,611.20 |
| 1/2   | 159.64 | 1/2   | 432.70 | 1/2   | 705.66 | 1/2   | 978.42   | 1/2   | 1,251.50 | 1/2   | 1,524.58 | 1/2   | 1,797.65 | 1/2   | 2,070.73 | 1/2   | 2,340.21 | 1/2   | 2,616.88 |
| 3/4   | 165.33 | 3/4   | 438.39 | 3/4   | 711.34 | 3/4   | 984.11   | 3/4   | 1,257.19 | 3/4   | 1,530.27 | 3/4   | 1,803.34 | 3/4   | 2,076.42 | 3/4   | 2,345.90 | 3/4   | 2,622.57 |
| 9     | 171.02 | 9     | 444.08 | 9     | 717.02 | 9     | 989.80   | 9     | 1,262.88 | 9     | 1,535.96 | 9     | 1,809.03 | 9     | 2,082.11 | 9     | 2,351.59 | 9     | 2,628.26 |
| 1/4   | 176.71 | 1/4   | 449.77 | 1/4   | 722.70 | 1/4   | 995.49   | 1/4   | 1,268.57 | 1/4   | 1,541.65 | 1/4   | 1,814.72 | 1/4   | 2,087.80 | 1/4   | 2,357.28 | 1/4   | 2,633.95 |
| 1/2   | 182.40 | 1/2   | 455.46 | 1/2   | 728.37 | 1/2   | 1,001.18 | 1/2   | 1,274.26 | 1/2   | 1,547.33 | 1/2   | 1,820.41 | 1/2   | 2,093.49 | 1/2   | 2,362.97 | 1/2   | 2,639.64 |
| 3/4   | 188.08 | 3/4   | 461.15 | 3/4   | 734.05 | 3/4   | 1,006.87 | 3/4   | 1,279.95 | 3/4   | 1,553.02 | 3/4   | 1,826.10 | 3/4   | 2,099.18 | 3/4   | 2,368.66 | 3/4   | 2,645.33 |
| 10    | 193.77 | 10    | 466.84 | 10    | 739.73 | 10    | 1,012.56 | 10    | 1,285.64 | 10    | 1,558.71 | 10    | 1,831.79 | 10    | 2,104.87 | 10    | 2,373.94 | 10    | 2,651.02 |
| 1/4   | 199.46 | 1/4   | 472.52 | 1/4   | 745.41 | 1/4   | 1,018.25 | 1/4   | 1,291.32 | 1/4   | 1,564.40 | 1/4   | 1,837.48 | 1/4   | 2,110.56 | 1/4   | 2,379.63 | 1/4   | 2,656.71 |
| 1/2   | 205.15 | 1/2   | 478.21 | 1/2   | 751.09 | 1/2   | 1,023.94 | 1/2   | 1,297.01 | 1/2   | 1,570.09 | 1/2   | 1,843.17 | 1/2   | 2,116.24 | 1/2   | 2,385.32 | 1/2   | 2,662.40 |
| 3/4   | 210.84 | 3/4   | 483.90 | 3/4   | 756.76 | 3/4   | 1,029.63 | 3/4   | 1,302.70 | 3/4   | 1,575.78 | 3/4   | 1,848.86 | 3/4   | 2,121.93 | 3/4   | 2,391.01 | 3/4   | 2,668.09 |
| 11    | 216.53 | 11    | 489.59 | 11    | 762.44 | 11    | 1,035.32 | 11    | 1,308.39 | 11    | 1,581.47 | 11    | 1,854.55 | 11    | 2,127.62 | 11    | 2,400.70 | 11    | 2,673.78 |
| 1/4   | 222.22 | 1/4   | 495.28 | 1/4   | 768.12 | 1/4   | 1,041.00 | 1/4   | 1,314.08 | 1/4   | 1,587.16 | 1/4   | 1,860.23 | 1/4   | 2,133.31 | 1/4   | 2,406.39 | 1/4   | 2,679.47 |
| 1/2   | 227.91 | 1/2   | 500.97 | 1/2   | 773.80 | 1/2   | 1,046.69 | 1/2   | 1,319.77 | 1/2   | 1,592.85 | 1/2   | 1,865.92 | 1/2   | 2,139.00 | 1/2   | 2,412.08 | 1/2   | 2,685.15 |
| 3/4   | 233.59 | 3/4   | 506.66 | 3/4   | 779.48 | 3/4   | 1,052.38 | 3/4   | 1,325.46 | 3/4   | 1,598.54 | 3/4   | 1,871.61 | 3/4   | 2,144.69 | 3/4   | 2,417.77 | 3/4   | 2,690.84 |

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 3'-0" FORWARD OF AFT BULKHEAD

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



# BARGE "IB 1983"

3 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 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   | 2,696.53 | 0   | 2,969.61 | 0   | 3,242.69 | 0   | 3,515.76 | 0   | 3,788.83 | 0   | 4,061.91 | 0   | 4,334.98 | 0   | 4,608.06 | 0   | 4,881.13 | 0   | 5,154.21 |
| 1/4 | 2,702.22 | 1/4 | 2,975.30 | 1/4 | 3,248.38 | 1/4 | 3,521.45 | 1/4 | 3,794.52 | 1/4 | 4,067.60 | 1/4 | 4,340.67 | 1/4 | 4,613.75 | 1/4 | 4,886.82 | 1/4 | 5,159.90 |
| 1/2 | 2,707.91 | 1/2 | 2,980.99 | 1/2 | 3,254.06 | 1/2 | 3,527.14 | 1/2 | 3,799.90 | 1/2 | 4,072.97 | 1/2 | 4,345.84 | 1/2 | 4,618.71 | 1/2 | 4,891.58 | 1/2 | 5,164.45 |
| 3/4 | 2,713.60 | 3/4 | 2,986.68 | 3/4 | 3,259.75 | 3/4 | 3,532.83 | 3/4 | 3,804.04 | 3/4 | 4,075.25 | 3/4 | 4,346.46 | 3/4 | 4,617.67 | 3/4 | 4,888.88 | 3/4 | 5,160.09 |
| 1   | 2,719.29 | 1   | 2,992.37 | 1   | 3,265.44 | 1   | 3,538.52 | 1   | 3,809.17 | 1   | 4,080.32 | 1   | 4,351.47 | 1   | 4,622.62 | 1   | 4,893.77 | 1   | 5,165.92 |
| 1/4 | 2,724.98 | 1/4 | 2,998.05 | 1/4 | 3,271.13 | 1/4 | 3,544.21 | 1/4 | 3,812.49 | 1/4 | 4,083.67 | 1/4 | 4,354.84 | 1/4 | 4,625.99 | 1/4 | 4,897.14 | 1/4 | 5,171.17 |
| 1/2 | 2,730.67 | 1/2 | 3,003.74 | 1/2 | 3,276.82 | 1/2 | 3,549.90 | 1/2 | 3,815.81 | 1/2 | 4,088.97 | 1/2 | 4,360.12 | 1/2 | 4,631.27 | 1/2 | 4,902.42 | 1/2 | 5,176.41 |
| 3/4 | 2,736.36 | 3/4 | 3,009.43 | 3/4 | 3,282.51 | 3/4 | 3,555.59 | 3/4 | 3,819.51 | 3/4 | 4,094.01 | 3/4 | 4,365.12 | 3/4 | 4,636.23 | 3/4 | 4,907.34 | 3/4 | 5,181.65 |
| 2   | 2,742.05 | 2   | 3,015.12 | 2   | 3,288.20 | 2   | 3,561.28 | 2   | 3,822.45 | 2   | 4,099.58 | 2   | 4,370.73 | 2   | 4,641.88 | 2   | 4,912.99 | 2   | 5,186.88 |
| 1/4 | 2,747.73 | 1/4 | 3,020.81 | 1/4 | 3,293.89 | 1/4 | 3,566.96 | 1/4 | 3,823.87 | 1/4 | 4,105.65 | 1/4 | 4,376.84 | 1/4 | 4,646.95 | 1/4 | 4,918.06 | 1/4 | 5,192.07 |
| 1/2 | 2,753.42 | 1/2 | 3,026.50 | 1/2 | 3,299.58 | 1/2 | 3,572.65 | 1/2 | 3,825.29 | 1/2 | 4,110.76 | 1/2 | 4,381.91 | 1/2 | 4,652.02 | 1/2 | 4,923.13 | 1/2 | 5,197.28 |
| 3/4 | 2,759.11 | 3/4 | 3,032.19 | 3/4 | 3,305.27 | 3/4 | 3,578.34 | 3/4 | 3,826.71 | 3/4 | 4,115.87 | 3/4 | 4,387.02 | 3/4 | 4,657.13 | 3/4 | 4,928.24 | 3/4 | 5,202.49 |
| 3   | 2,764.80 | 3   | 3,037.88 | 3   | 3,310.96 | 3   | 3,584.03 | 3   | 3,828.14 | 3   | 4,120.94 | 3   | 4,392.09 | 3   | 4,662.24 | 3   | 4,933.35 | 3   | 5,207.70 |
| 1/4 | 2,770.49 | 1/4 | 3,043.57 | 1/4 | 3,316.64 | 1/4 | 3,589.72 | 1/4 | 3,828.37 | 1/4 | 4,126.05 | 1/4 | 4,397.20 | 1/4 | 4,667.35 | 1/4 | 4,938.46 | 1/4 | 5,212.91 |
| 1/2 | 2,776.18 | 1/2 | 3,049.26 | 1/2 | 3,322.33 | 1/2 | 3,595.41 | 1/2 | 3,833.60 | 1/2 | 4,131.16 | 1/2 | 4,402.31 | 1/2 | 4,672.46 | 1/2 | 4,943.57 | 1/2 | 5,218.12 |
| 3/4 | 2,781.87 | 3/4 | 3,054.95 | 3/4 | 3,328.02 | 3/4 | 3,601.10 | 3/4 | 3,838.69 | 3/4 | 4,136.27 | 3/4 | 4,407.42 | 3/4 | 4,677.57 | 3/4 | 4,948.68 | 3/4 | 5,223.33 |
| 4   | 2,787.56 | 4   | 3,060.63 | 4   | 3,333.71 | 4   | 3,606.79 | 4   | 3,843.78 | 4   | 4,141.36 | 4   | 4,412.51 | 4   | 4,682.66 | 4   | 4,953.79 | 4   | 5,228.54 |
| 1/4 | 2,793.25 | 1/4 | 3,066.32 | 1/4 | 3,339.40 | 1/4 | 3,612.48 | 1/4 | 3,848.87 | 1/4 | 4,146.51 | 1/4 | 4,417.66 | 1/4 | 4,687.81 | 1/4 | 4,958.90 | 1/4 | 5,233.75 |
| 1/2 | 2,798.94 | 1/2 | 3,072.01 | 1/2 | 3,345.09 | 1/2 | 3,618.17 | 1/2 | 3,853.96 | 1/2 | 4,151.66 | 1/2 | 4,422.81 | 1/2 | 4,692.96 | 1/2 | 4,964.01 | 1/2 | 5,238.96 |
| 3/4 | 2,804.63 | 3/4 | 3,077.70 | 3/4 | 3,350.78 | 3/4 | 3,623.86 | 3/4 | 3,859.05 | 3/4 | 4,156.81 | 3/4 | 4,427.96 | 3/4 | 4,698.11 | 3/4 | 4,969.21 | 3/4 | 5,244.17 |
| 5   | 2,810.31 | 5   | 3,083.39 | 5   | 3,356.47 | 5   | 3,629.54 | 5   | 3,864.14 | 5   | 4,161.96 | 5   | 4,433.11 | 5   | 4,703.26 | 5   | 4,974.41 | 5   | 5,249.38 |
| 1/4 | 2,816.00 | 1/4 | 3,089.08 | 1/4 | 3,362.16 | 1/4 | 3,635.23 | 1/4 | 3,869.23 | 1/4 | 4,167.11 | 1/4 | 4,438.26 | 1/4 | 4,708.41 | 1/4 | 4,979.66 | 1/4 | 5,254.59 |
| 1/2 | 2,821.69 | 1/2 | 3,094.77 | 1/2 | 3,367.85 | 1/2 | 3,640.92 | 1/2 | 3,874.32 | 1/2 | 4,172.26 | 1/2 | 4,443.41 | 1/2 | 4,713.56 | 1/2 | 4,984.81 | 1/2 | 5,259.80 |
| 3/4 | 2,827.38 | 3/4 | 3,100.46 | 3/4 | 3,373.54 | 3/4 | 3,646.61 | 3/4 | 3,879.41 | 3/4 | 4,177.41 | 3/4 | 4,448.61 | 3/4 | 4,718.76 | 3/4 | 4,990.01 | 3/4 | 5,265.01 |
| 6   | 2,833.07 | 6   | 3,106.15 | 6   | 3,379.22 | 6   | 3,652.30 | 6   | 3,884.51 | 6   | 4,182.56 | 6   | 4,453.81 | 6   | 4,723.96 | 6   | 4,995.21 | 6   | 5,270.22 |
| 1/4 | 2,838.76 | 1/4 | 3,111.84 | 1/4 | 3,384.91 | 1/4 | 3,657.99 | 1/4 | 3,889.60 | 1/4 | 4,187.71 | 1/4 | 4,458.96 | 1/4 | 4,729.11 | 1/4 | 4,999.46 | 1/4 | 5,275.43 |
| 1/2 | 2,844.45 | 1/2 | 3,117.53 | 1/2 | 3,390.60 | 1/2 | 3,663.68 | 1/2 | 3,894.70 | 1/2 | 4,192.86 | 1/2 | 4,464.11 | 1/2 | 4,734.26 | 1/2 | 5,004.66 | 1/2 | 5,280.64 |
| 3/4 | 2,850.14 | 3/4 | 3,123.21 | 3/4 | 3,396.29 | 3/4 | 3,669.37 | 3/4 | 3,900.80 | 3/4 | 4,197.96 | 3/4 | 4,469.26 | 3/4 | 4,739.41 | 3/4 | 5,009.91 | 3/4 | 5,285.85 |
| 7   | 2,855.83 | 7   | 3,128.90 | 7   | 3,401.98 | 7   | 3,675.06 | 7   | 3,905.91 | 7   | 4,203.06 | 7   | 4,474.41 | 7   | 4,744.56 | 7   | 5,015.11 | 7   | 5,291.06 |
| 1/4 | 2,861.52 | 1/4 | 3,134.59 | 1/4 | 3,407.67 | 1/4 | 3,680.75 | 1/4 | 3,910.96 | 1/4 | 4,208.16 | 1/4 | 4,479.56 | 1/4 | 4,749.66 | 1/4 | 5,020.31 | 1/4 | 5,296.27 |
| 1/2 | 2,867.21 | 1/2 | 3,140.28 | 1/2 | 3,413.36 | 1/2 | 3,686.44 | 1/2 | 3,916.05 | 1/2 | 4,213.26 | 1/2 | 4,484.71 | 1/2 | 4,754.76 | 1/2 | 5,025.56 | 1/2 | 5,301.48 |
| 3/4 | 2,872.89 | 3/4 | 3,145.97 | 3/4 | 3,419.05 | 3/4 | 3,692.12 | 3/4 | 3,921.14 | 3/4 | 4,218.36 | 3/4 | 4,489.81 | 3/4 | 4,759.86 | 3/4 | 5,030.81 | 3/4 | 5,306.69 |
| 8   | 2,878.58 | 8   | 3,151.66 | 8   | 3,424.74 | 8   | 3,697.81 | 8   | 3,926.23 | 8   | 4,223.46 | 8   | 4,494.91 | 8   | 4,764.96 | 8   | 5,036.06 | 8   | 5,311.90 |
| 1/4 | 2,884.27 | 1/4 | 3,157.35 | 1/4 | 3,430.43 | 1/4 | 3,703.50 | 1/4 | 3,931.32 | 1/4 | 4,228.56 | 1/4 | 4,500.06 | 1/4 | 4,770.06 | 1/4 | 5,041.31 | 1/4 | 5,317.11 |
| 1/2 | 2,889.96 | 1/2 | 3,163.04 | 1/2 | 3,436.12 | 1/2 | 3,709.19 | 1/2 | 3,936.41 | 1/2 | 4,233.66 | 1/2 | 4,505.16 | 1/2 | 4,775.16 | 1/2 | 5,046.56 | 1/2 | 5,322.32 |
| 3/4 | 2,895.65 | 3/4 | 3,168.73 | 3/4 | 3,441.80 | 3/4 | 3,714.88 | 3/4 | 3,941.50 | 3/4 | 4,238.76 | 3/4 | 4,510.26 | 3/4 | 4,780.26 | 3/4 | 5,051.81 | 3/4 | 5,327.53 |
| 9   | 2,901.34 | 9   | 3,174.42 | 9   | 3,447.49 | 9   | 3,720.57 | 9   | 3,946.59 | 9   | 4,243.86 | 9   | 4,515.36 | 9   | 4,785.36 | 9   | 5,057.06 | 9   | 5,332.74 |
| 1/4 | 2,907.03 | 1/4 | 3,180.11 | 1/4 | 3,453.18 | 1/4 | 3,726.25 | 1/4 | 3,951.68 | 1/4 | 4,248.96 | 1/4 | 4,520.46 | 1/4 | 4,790.46 | 1/4 | 5,062.31 | 1/4 | 5,337.95 |
| 1/2 | 2,912.72 | 1/2 | 3,185.79 | 1/2 | 3,458.87 | 1/2 | 3,731.94 | 1/2 | 3,956.77 | 1/2 | 4,254.06 | 1/2 | 4,525.56 | 1/2 | 4,795.56 | 1/2 | 5,067.56 | 1/2 | 5,343.16 |
| 3/4 | 2,918.41 | 3/4 | 3,191.48 | 3/4 | 3,464.56 | 3/4 | 3,737.62 | 3/4 | 3,961.87 | 3/4 | 4,259.16 | 3/4 | 4,530.66 | 3/4 | 4,800.66 | 3/4 | 5,072.81 | 3/4 | 5,348.37 |
| 10  | 2,924.10 | 10  | 3,197.17 | 10  | 3,470.25 | 10  | 3,743.30 | 10  | 3,966.96 | 10  | 4,264.26 | 10  | 4,535.76 | 10  | 4,805.76 | 10  | 5,078.06 | 10  | 5,353.58 |
| 1/4 | 2,929.79 | 1/4 | 3,202.86 | 1/4 | 3,475.94 | 1/4 | 3,748.98 | 1/4 | 3,972.06 | 1/4 | 4,269.36 | 1/4 | 4,540.86 | 1/4 | 4,810.86 | 1/4 | 5,083.31 | 1/4 | 5,358.79 |
| 1/2 | 2,935.47 | 1/2 | 3,208.55 | 1/2 | 3,481.63 | 1/2 | 3,754.66 | 1/2 | 3,977.16 | 1/2 | 4,274.46 | 1/2 | 4,545.96 | 1/2 | 4,815.96 | 1/2 | 5,088.56 | 1/2 | 5,364.00 |
| 3/4 | 2,941.16 | 3/4 | 3,214.24 | 3/4 | 3,487.32 | 3/4 | 3,760.34 | 3/4 | 3,982.26 | 3/4 | 4,279.56 | 3/4 | 4,551.06 | 3/4 | 4,821.06 | 3/4 | 5,093.81 | 3/4 | 5,369.21 |
| 11  | 2,946.85 | 11  | 3,219.93 | 11  | 3,493.01 | 11  | 3,766.02 | 11  | 3,987.36 | 11  | 4,284.66 | 11  | 4,556.16 | 11  | 4,826.16 | 11  | 5,099.06 | 11  | 5,374.42 |
| 1/4 | 2,952.54 | 1/4 | 3,225.62 | 1/4 | 3,498.70 | 1/4 | 3,771.67 | 1/4 | 3,992.46 | 1/4 | 4,289.76 | 1/4 | 4,561.26 | 1/4 | 4,831.26 | 1/4 | 5,104.31 | 1/4 | 5,379.63 |
| 1/2 | 2,958.23 | 1/2 | 3,231.31 | 1/2 | 3,504.38 | 1/2 | 3,777.33 | 1/2 | 3,997.56 | 1/2 | 4,294.86 | 1/2 | 4,566.36 | 1/2 | 4,836.36 | 1/2 | 5,109.56 | 1/2 | 5,384.84 |
| 3/4 | 2,963.92 | 3/4 | 3,237.00 | 3/4 | 3,510.07 | 3/4 | 3,782.98 | 3/4 | 4,002.66 | 3/4 | 4,299.96 | 3/4 | 4,571.46 | 3/4 | 4,841.46 | 3/4 | 5,114.81 | 3/4 | 5,390.05 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL  
CALCULATED: 10/20/2017 CL  
PRINTED: 10/20/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/20/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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