

BARGE "IB 1988"

INNAGE TRIM TABLE

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

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

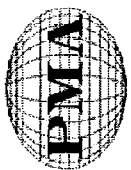
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

December 7, 2017

PRECISION MEASUREMENT
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BARGE "IB 1988"

1 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 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 |
| 0 | 0.63 | 0 | 242.39 | 0 | 528.28 | 0 | 810.35 | 0 | 1,093.60 | 0 | 1,379.33 | 0 | 1,664.63 | 0 | 1,950.51 | 0 | 2,236.38 | 0 | 2,522.25 |
| 1/4 | 1.62 | 1/4 | 248.36 | 1/4 | 534.24 | 1/4 | 816.15 | 1/4 | 1,099.56 | 1/4 | 1,385.27 | 1/4 | 1,670.59 | 1/4 | 1,956.47 | 1/4 | 2,242.34 | 1/4 | 2,528.20 |
| 1/2 | 2.62 | 1/2 | 254.30 | 1/2 | 540.19 | 1/2 | 821.95 | 1/2 | 1,105.50 | 1/2 | 1,391.21 | 1/2 | 1,676.54 | 1/2 | 1,962.42 | 1/2 | 2,248.29 | 1/2 | 2,534.16 |
| 3/4 | 3.61 | 3/4 | 260.26 | 3/4 | 546.15 | 3/4 | 827.74 | 3/4 | 1,111.46 | 3/4 | 1,397.15 | 3/4 | 1,682.50 | 3/4 | 1,968.38 | 3/4 | 2,254.25 | 3/4 | 2,540.11 |
| 1 | 4.61 | 1 | 266.21 | 1 | 552.10 | 1 | 833.54 | 1 | 1,117.41 | 1 | 1,403.09 | 1 | 1,688.46 | 1 | 1,974.33 | 1 | 2,260.20 | 1 | 2,546.07 |
| 1/4 | 6.80 | 1/4 | 272.17 | 1/4 | 558.06 | 1/4 | 839.34 | 1/4 | 1,123.36 | 1/4 | 1,409.03 | 1/4 | 1,694.41 | 1/4 | 1,980.29 | 1/4 | 2,266.16 | 1/4 | 2,552.02 |
| 1/2 | 8.99 | 1/2 | 278.13 | 1/2 | 564.02 | 1/2 | 845.13 | 1/2 | 1,129.31 | 1/2 | 1,414.98 | 1/2 | 1,700.37 | 1/2 | 1,986.25 | 1/2 | 2,272.11 | 1/2 | 2,557.98 |
| 3/4 | 11.18 | 3/4 | 284.08 | 3/4 | 569.97 | 3/4 | 850.93 | 3/4 | 1,135.27 | 3/4 | 1,420.92 | 3/4 | 1,706.32 | 3/4 | 1,992.20 | 3/4 | 2,278.07 | 3/4 | 2,563.94 |
| 2 | 13.37 | 2 | 290.04 | 2 | 575.93 | 2 | 856.73 | 2 | 1,141.22 | 2 | 1,426.86 | 2 | 1,712.28 | 2 | 1,998.16 | 2 | 2,284.02 | 2 | 2,569.89 |
| 1/4 | 17.29 | 1/4 | 295.99 | 1/4 | 581.88 | 1/4 | 862.53 | 1/4 | 1,147.17 | 1/4 | 1,432.80 | 1/4 | 1,718.24 | 1/4 | 2,004.11 | 1/4 | 2,289.98 | 1/4 | 2,575.85 |
| 1/2 | 21.20 | 1/2 | 301.95 | 1/2 | 587.84 | 1/2 | 868.32 | 1/2 | 1,153.12 | 1/2 | 1,438.74 | 1/2 | 1,724.19 | 1/2 | 2,010.07 | 1/2 | 2,295.93 | 1/2 | 2,581.80 |
| 3/4 | 25.11 | 3/4 | 307.91 | 3/4 | 593.80 | 3/4 | 874.12 | 3/4 | 1,159.08 | 3/4 | 1,444.68 | 3/4 | 1,730.15 | 3/4 | 2,016.03 | 3/4 | 2,301.89 | 3/4 | 2,587.76 |
| 3 | 29.03 | 3 | 313.86 | 3 | 599.75 | 3 | 879.92 | 3 | 1,165.03 | 3 | 1,450.62 | 3 | 1,736.10 | 3 | 2,021.98 | 3 | 2,307.84 | 3 | 2,593.72 |
| 1/4 | 34.68 | 1/4 | 319.82 | 1/4 | 605.71 | 1/4 | 885.72 | 1/4 | 1,170.98 | 1/4 | 1,456.57 | 1/4 | 1,742.06 | 1/4 | 2,027.94 | 1/4 | 2,313.80 | 1/4 | 2,599.67 |
| 1/2 | 40.33 | 1/2 | 325.78 | 1/2 | 611.66 | 1/2 | 891.51 | 1/2 | 1,176.93 | 1/2 | 1,462.51 | 1/2 | 1,748.01 | 1/2 | 2,033.89 | 1/2 | 2,319.75 | 1/2 | 2,605.63 |
| 3/4 | 45.98 | 3/4 | 331.73 | 3/4 | 617.62 | 3/4 | 897.31 | 3/4 | 1,182.89 | 3/4 | 1,468.45 | 3/4 | 1,753.97 | 3/4 | 2,039.85 | 3/4 | 2,325.71 | 3/4 | 2,611.58 |
| 4 | 51.63 | 4 | 337.69 | 4 | 623.56 | 4 | 903.11 | 4 | 1,188.84 | 4 | 1,474.39 | 4 | 1,759.93 | 4 | 2,045.80 | 4 | 2,331.66 | 4 | 2,617.54 |
| 1/4 | 57.59 | 1/4 | 343.64 | 1/4 | 629.53 | 1/4 | 909.06 | 1/4 | 1,194.79 | 1/4 | 1,480.33 | 1/4 | 1,765.88 | 1/4 | 2,051.76 | 1/4 | 2,337.62 | 1/4 | 2,623.49 |
| 1/2 | 63.54 | 1/2 | 349.60 | 1/2 | 635.49 | 1/2 | 915.02 | 1/2 | 1,200.75 | 1/2 | 1,486.27 | 1/2 | 1,771.84 | 1/2 | 2,057.72 | 1/2 | 2,343.57 | 1/2 | 2,629.45 |
| 3/4 | 69.49 | 3/4 | 355.56 | 3/4 | 641.44 | 3/4 | 920.97 | 3/4 | 1,206.70 | 3/4 | 1,492.22 | 3/4 | 1,777.79 | 3/4 | 2,063.67 | 3/4 | 2,349.53 | 3/4 | 2,635.41 |
| 5 | 75.44 | 5 | 361.51 | 5 | 647.40 | 5 | 926.92 | 5 | 1,212.65 | 5 | 1,498.16 | 5 | 1,783.75 | 5 | 2,069.63 | 5 | 2,355.48 | 5 | 2,641.36 |
| 1/4 | 81.41 | 1/4 | 367.47 | 1/4 | 653.36 | 1/4 | 932.87 | 1/4 | 1,218.60 | 1/4 | 1,504.10 | 1/4 | 1,789.70 | 1/4 | 2,075.58 | 1/4 | 2,361.44 | 1/4 | 2,647.32 |
| 1/2 | 87.38 | 1/2 | 373.42 | 1/2 | 659.31 | 1/2 | 938.83 | 1/2 | 1,224.56 | 1/2 | 1,510.04 | 1/2 | 1,795.66 | 1/2 | 2,081.54 | 1/2 | 2,367.39 | 1/2 | 2,653.27 |
| 3/4 | 93.34 | 3/4 | 379.38 | 3/4 | 665.27 | 3/4 | 944.78 | 3/4 | 1,230.51 | 3/4 | 1,515.98 | 3/4 | 1,801.62 | 3/4 | 2,087.49 | 3/4 | 2,373.35 | 3/4 | 2,659.23 |
| 6 | 99.31 | 6 | 385.34 | 6 | 671.22 | 6 | 950.73 | 6 | 1,236.46 | 6 | 1,521.92 | 6 | 1,807.57 | 6 | 2,093.45 | 6 | 2,379.31 | 6 | 2,665.18 |
| 1/4 | 105.28 | 1/4 | 391.29 | 1/4 | 677.02 | 1/4 | 956.68 | 1/4 | 1,242.41 | 1/4 | 1,527.86 | 1/4 | 1,813.53 | 1/4 | 2,099.41 | 1/4 | 2,385.26 | 1/4 | 2,671.14 |
| 1/2 | 111.25 | 1/2 | 397.25 | 1/2 | 682.82 | 1/2 | 962.64 | 1/2 | 1,248.37 | 1/2 | 1,533.81 | 1/2 | 1,819.48 | 1/2 | 2,105.36 | 1/2 | 2,391.22 | 1/2 | 2,677.10 |
| 3/4 | 117.21 | 3/4 | 403.20 | 3/4 | 688.61 | 3/4 | 968.59 | 3/4 | 1,254.32 | 3/4 | 1,539.75 | 3/4 | 1,825.44 | 3/4 | 2,111.32 | 3/4 | 2,397.17 | 3/4 | 2,683.05 |
| 7 | 123.18 | 7 | 409.16 | 7 | 694.41 | 7 | 974.54 | 7 | 1,260.27 | 7 | 1,545.69 | 7 | 1,831.40 | 7 | 2,117.27 | 7 | 2,403.13 | 7 | 2,689.01 |
| 1/4 | 129.14 | 1/4 | 415.12 | 1/4 | 700.21 | 1/4 | 980.50 | 1/4 | 1,266.23 | 1/4 | 1,551.63 | 1/4 | 1,837.35 | 1/4 | 2,123.23 | 1/4 | 2,409.09 | 1/4 | 2,694.96 |
| 1/2 | 135.11 | 1/2 | 421.07 | 1/2 | 706.01 | 1/2 | 986.45 | 1/2 | 1,272.18 | 1/2 | 1,557.57 | 1/2 | 1,843.31 | 1/2 | 2,129.19 | 1/2 | 2,415.04 | 1/2 | 2,700.92 |
| 3/4 | 141.07 | 3/4 | 427.03 | 3/4 | 711.80 | 3/4 | 992.40 | 3/4 | 1,278.13 | 3/4 | 1,563.51 | 3/4 | 1,849.26 | 3/4 | 2,135.14 | 3/4 | 2,421.00 | 3/4 | 2,706.88 |
| 8 | 147.03 | 8 | 432.98 | 8 | 717.60 | 8 | 998.35 | 8 | 1,284.08 | 8 | 1,569.45 | 8 | 1,855.22 | 8 | 2,141.10 | 8 | 2,426.95 | 8 | 2,712.83 |
| 1/4 | 152.99 | 1/4 | 438.94 | 1/4 | 723.40 | 1/4 | 1,004.31 | 1/4 | 1,290.04 | 1/4 | 1,575.40 | 1/4 | 1,861.17 | 1/4 | 2,147.05 | 1/4 | 2,432.91 | 1/4 | 2,718.79 |
| 1/2 | 158.95 | 1/2 | 444.90 | 1/2 | 729.19 | 1/2 | 1,010.26 | 1/2 | 1,295.99 | 1/2 | 1,581.34 | 1/2 | 1,867.13 | 1/2 | 2,153.01 | 1/2 | 2,438.86 | 1/2 | 2,724.74 |
| 3/4 | 164.91 | 3/4 | 450.85 | 3/4 | 734.99 | 3/4 | 1,016.21 | 3/4 | 1,301.94 | 3/4 | 1,587.28 | 3/4 | 1,873.09 | 3/4 | 2,158.96 | 3/4 | 2,444.82 | 3/4 | 2,730.70 |
| 9 | 170.86 | 9 | 456.81 | 9 | 740.79 | 9 | 1,022.16 | 9 | 1,307.89 | 9 | 1,593.22 | 9 | 1,879.04 | 9 | 2,164.92 | 9 | 2,450.78 | 9 | 2,736.65 |
| 1/4 | 176.83 | 1/4 | 462.76 | 1/4 | 746.58 | 1/4 | 1,028.12 | 1/4 | 1,313.85 | 1/4 | 1,599.16 | 1/4 | 1,885.00 | 1/4 | 2,170.88 | 1/4 | 2,456.73 | 1/4 | 2,742.61 |
| 1/2 | 182.79 | 1/2 | 468.72 | 1/2 | 752.38 | 1/2 | 1,034.07 | 1/2 | 1,319.80 | 1/2 | 1,605.10 | 1/2 | 1,890.95 | 1/2 | 2,176.83 | 1/2 | 2,462.69 | 1/2 | 2,748.57 |
| 3/4 | 188.75 | 3/4 | 474.68 | 3/4 | 758.18 | 3/4 | 1,040.02 | 3/4 | 1,325.75 | 3/4 | 1,611.05 | 3/4 | 1,896.91 | 3/4 | 2,182.79 | 3/4 | 2,468.64 | 3/4 | 2,754.52 |
| 10 | 194.72 | 10 | 480.63 | 10 | 763.98 | 10 | 1,045.98 | 10 | 1,331.70 | 10 | 1,616.99 | 10 | 1,902.86 | 10 | 2,188.74 | 10 | 2,474.60 | 10 | 2,760.48 |
| 1/4 | 200.68 | 1/4 | 486.59 | 1/4 | 769.77 | 1/4 | 1,051.93 | 1/4 | 1,337.66 | 1/4 | 1,622.94 | 1/4 | 1,908.82 | 1/4 | 2,194.70 | 1/4 | 2,480.56 | 1/4 | 2,766.43 |
| 1/2 | 206.64 | 1/2 | 492.54 | 1/2 | 775.57 | 1/2 | 1,057.88 | 1/2 | 1,343.61 | 1/2 | 1,628.90 | 1/2 | 1,914.78 | 1/2 | 2,200.65 | 1/2 | 2,486.51 | 1/2 | 2,772.39 |
| 3/4 | 212.60 | 3/4 | 498.50 | 3/4 | 781.37 | 3/4 | 1,063.83 | 3/4 | 1,349.56 | 3/4 | 1,634.85 | 3/4 | 1,920.73 | 3/4 | 2,206.61 | 3/4 | 2,492.47 | 3/4 | 2,778.35 |
| 11 | 218.56 | 11 | 504.46 | 11 | 787.16 | 11 | 1,069.79 | 11 | 1,355.52 | 11 | 1,640.81 | 11 | 1,926.69 | 11 | 2,212.56 | 11 | 2,498.42 | 11 | 2,784.30 |
| 1/4 | 224.52 | 1/4 | 510.41 | 1/4 | 792.96 | 1/4 | 1,075.74 | 1/4 | 1,361.47 | 1/4 | 1,646.77 | 1/4 | 1,932.64 | 1/4 | 2,218.52 | 1/4 | 2,504.38 | 1/4 | 2,790.27 |
| 1/2 | 230.48 | 1/2 | 516.37 | 1/2 | 798.76 | 1/2 | 1,081.69 | 1/2 | 1,367.42 | 1/2 | 1,652.72 | 1/2 | 1,938.60 | 1/2 | 2,224.47 | 1/2 | 2,510.33 | 1/2 | 2,796.24 |
| 3/4 | 236.43 | 3/4 | 522.32 | 3/4 | 804.55 | 3/4 | 1,087.64 | 3/4 | 1,373.37 | 3/4 | 1,658.68 | 3/4 | 1,944.56 | 3/4 | 2,230.43 | 3/4 | 2,516.29 | 3/4 | 2,802.20 |

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
GAUGE POINT (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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BARGE "IB 1988"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

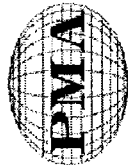
| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | 2,808.17 | 0 | 3,060.86 | 0 | 3,246.05 | 0 | 3,431.23 | 0 | 3,616.21 | 0 | 3,801.19 | 0 | 3,986.17 | 0 | 4,171.15 | 0 | 4,356.13 | 0 | 4,541.11 |
| 1/4 | 2,814.14 | 1/4 | 3,066.42 | 1/4 | 3,249.91 | 1/4 | 3,435.09 | 1/4 | 3,619.49 | 1/4 | 3,803.99 | 1/4 | 3,988.49 | 1/4 | 4,172.99 | 1/4 | 4,357.49 | 1/4 | 4,541.99 |
| 1/2 | 2,820.10 | 1/2 | 3,072.00 | 1/2 | 3,253.76 | 1/2 | 3,438.95 | 1/2 | 3,623.77 | 1/2 | 3,808.27 | 1/2 | 3,992.79 | 1/2 | 4,177.31 | 1/2 | 4,361.83 | 1/2 | 4,545.35 |
| 3/4 | 2,826.07 | 3/4 | 3,077.44 | 3/4 | 3,257.62 | 3/4 | 3,442.81 | 3/4 | 3,628.04 | 3/4 | 3,812.73 | 3/4 | 3,996.25 | 3/4 | 4,181.75 | 3/4 | 4,365.77 | 3/4 | 4,549.21 |
| 1 | 2,832.04 | 1 | 3,076.30 | 1 | 3,261.48 | 1 | 3,446.66 | 1 | 3,629.32 | 1 | 3,816.60 | 1 | 3,999.12 | 1 | 4,186.77 | 1 | 4,369.19 | 1 | 4,553.08 |
| 1/4 | 2,838.01 | 1/4 | 3,080.15 | 1/4 | 3,265.34 | 1/4 | 3,450.52 | 1/4 | 3,630.69 | 1/4 | 3,821.14 | 1/4 | 3,999.56 | 1/4 | 4,191.94 | 1/4 | 4,373.57 | 1/4 | 4,556.88 |
| 1/2 | 2,843.98 | 1/2 | 3,084.01 | 1/2 | 3,269.20 | 1/2 | 3,454.38 | 1/2 | 3,632.06 | 1/2 | 3,825.00 | 1/2 | 3,999.92 | 1/2 | 4,196.75 | 1/2 | 4,377.32 | 1/2 | 4,560.63 |
| 3/4 | 2,849.94 | 3/4 | 3,087.87 | 3/4 | 3,273.05 | 3/4 | 3,458.24 | 3/4 | 3,633.43 | 3/4 | 3,829.84 | 3/4 | 4,000.28 | 3/4 | 4,199.50 | 3/4 | 4,380.03 | 3/4 | 4,564.34 |
| 2 | 2,855.91 | 2 | 3,091.73 | 2 | 3,276.91 | 2 | 3,462.10 | 2 | 3,634.81 | 2 | 3,834.62 | 2 | 4,003.80 | 2 | 4,202.26 | 2 | 4,383.78 | 2 | 4,568.01 |
| 1/4 | 2,861.88 | 1/4 | 3,095.59 | 1/4 | 3,280.77 | 1/4 | 3,465.95 | 1/4 | 3,636.30 | 1/4 | 3,838.48 | 1/4 | 4,007.04 | 1/4 | 4,205.51 | 1/4 | 4,387.01 | 1/4 | 4,571.70 |
| 1/2 | 2,867.85 | 1/2 | 3,099.44 | 1/2 | 3,284.63 | 1/2 | 3,469.81 | 1/2 | 3,637.79 | 1/2 | 3,841.31 | 1/2 | 4,010.28 | 1/2 | 4,208.74 | 1/2 | 4,390.24 | 1/2 | 4,575.39 |
| 3/4 | 2,873.81 | 3/4 | 3,103.30 | 3/4 | 3,288.49 | 3/4 | 3,473.67 | 3/4 | 3,639.28 | 3/4 | 3,844.14 | 3/4 | 4,013.52 | 3/4 | 4,211.97 | 3/4 | 4,393.47 | 3/4 | 4,579.08 |
| 3 | 2,879.78 | 3 | 3,107.16 | 3 | 3,292.34 | 3 | 3,477.53 | 3 | 3,640.77 | 3 | 3,846.97 | 3 | 4,016.76 | 3 | 4,215.20 | 3 | 4,396.70 | 3 | 4,582.77 |
| 1/4 | 2,885.75 | 1/4 | 3,111.02 | 1/4 | 3,296.20 | 1/4 | 3,481.39 | 1/4 | 3,641.02 | 1/4 | 3,849.80 | 1/4 | 4,019.99 | 1/4 | 4,218.43 | 1/4 | 4,399.93 | 1/4 | 4,586.46 |
| 1/2 | 2,891.72 | 1/2 | 3,114.88 | 1/2 | 3,300.06 | 1/2 | 3,485.24 | 1/2 | 3,642.27 | 1/2 | 3,853.03 | 1/2 | 4,023.23 | 1/2 | 4,221.66 | 1/2 | 4,403.16 | 1/2 | 4,590.15 |
| 3/4 | 2,897.68 | 3/4 | 3,118.73 | 3/4 | 3,303.92 | 3/4 | 3,489.10 | 3/4 | 3,643.52 | 3/4 | 3,856.28 | 3/4 | 4,026.48 | 3/4 | 4,224.89 | 3/4 | 4,406.39 | 3/4 | 4,593.84 |
| 4 | 2,903.65 | 4 | 3,122.59 | 4 | 3,307.78 | 4 | 3,492.96 | 4 | 3,644.77 | 4 | 3,859.53 | 4 | 4,029.73 | 4 | 4,228.12 | 4 | 4,409.62 | 4 | 4,597.53 |
| 1/4 | 2,909.62 | 1/4 | 3,126.45 | 1/4 | 3,311.63 | 1/4 | 3,496.82 | 1/4 | 3,646.02 | 1/4 | 3,862.78 | 1/4 | 4,032.97 | 1/4 | 4,231.35 | 1/4 | 4,412.85 | 1/4 | 4,601.22 |
| 1/2 | 2,915.59 | 1/2 | 3,130.31 | 1/2 | 3,315.49 | 1/2 | 3,500.68 | 1/2 | 3,647.27 | 1/2 | 3,866.03 | 1/2 | 4,036.22 | 1/2 | 4,234.58 | 1/2 | 4,416.08 | 1/2 | 4,604.91 |
| 3/4 | 2,921.56 | 3/4 | 3,134.17 | 3/4 | 3,319.35 | 3/4 | 3,504.53 | 3/4 | 3,648.52 | 3/4 | 3,869.28 | 3/4 | 4,039.47 | 3/4 | 4,237.81 | 3/4 | 4,419.31 | 3/4 | 4,608.60 |
| 5 | 2,927.52 | 5 | 3,138.02 | 5 | 3,323.21 | 5 | 3,508.39 | 5 | 3,649.77 | 5 | 3,872.53 | 5 | 4,042.72 | 5 | 4,241.04 | 5 | 4,422.54 | 5 | 4,612.29 |
| 1/4 | 2,933.49 | 1/4 | 3,141.88 | 1/4 | 3,327.07 | 1/4 | 3,512.25 | 1/4 | 3,651.02 | 1/4 | 3,875.78 | 1/4 | 4,046.00 | 1/4 | 4,244.27 | 1/4 | 4,425.77 | 1/4 | 4,615.98 |
| 1/2 | 2,939.46 | 1/2 | 3,145.74 | 1/2 | 3,330.92 | 1/2 | 3,516.11 | 1/2 | 3,652.27 | 1/2 | 3,879.03 | 1/2 | 4,049.25 | 1/2 | 4,247.50 | 1/2 | 4,429.00 | 1/2 | 4,619.67 |
| 3/4 | 2,945.43 | 3/4 | 3,149.60 | 3/4 | 3,334.78 | 3/4 | 3,519.97 | 3/4 | 3,653.52 | 3/4 | 3,882.28 | 3/4 | 4,052.50 | 3/4 | 4,250.73 | 3/4 | 4,432.23 | 3/4 | 4,623.36 |
| 6 | 2,951.39 | 6 | 3,153.46 | 6 | 3,338.64 | 6 | 3,523.82 | 6 | 3,654.77 | 6 | 3,885.53 | 6 | 4,055.75 | 6 | 4,253.96 | 6 | 4,435.46 | 6 | 4,627.05 |
| 1/4 | 2,957.36 | 1/4 | 3,157.31 | 1/4 | 3,342.50 | 1/4 | 3,527.68 | 1/4 | 3,656.02 | 1/4 | 3,888.78 | 1/4 | 4,059.00 | 1/4 | 4,257.19 | 1/4 | 4,438.69 | 1/4 | 4,630.74 |
| 1/2 | 2,963.33 | 1/2 | 3,161.17 | 1/2 | 3,346.36 | 1/2 | 3,531.54 | 1/2 | 3,657.27 | 1/2 | 3,892.03 | 1/2 | 4,062.25 | 1/2 | 4,260.42 | 1/2 | 4,441.92 | 1/2 | 4,634.43 |
| 3/4 | 2,969.30 | 3/4 | 3,165.03 | 3/4 | 3,350.21 | 3/4 | 3,535.40 | 3/4 | 3,658.52 | 3/4 | 3,895.28 | 3/4 | 4,065.50 | 3/4 | 4,263.65 | 3/4 | 4,445.15 | 3/4 | 4,638.12 |
| 7 | 2,975.26 | 7 | 3,168.89 | 7 | 3,354.07 | 7 | 3,539.26 | 7 | 3,659.77 | 7 | 3,898.53 | 7 | 4,068.75 | 7 | 4,266.88 | 7 | 4,448.38 | 7 | 4,641.81 |
| 1/4 | 2,981.23 | 1/4 | 3,172.75 | 1/4 | 3,357.93 | 1/4 | 3,543.11 | 1/4 | 3,661.02 | 1/4 | 3,901.78 | 1/4 | 4,072.00 | 1/4 | 4,270.11 | 1/4 | 4,451.61 | 1/4 | 4,645.50 |
| 1/2 | 2,987.20 | 1/2 | 3,176.60 | 1/2 | 3,361.79 | 1/2 | 3,546.97 | 1/2 | 3,662.27 | 1/2 | 3,905.03 | 1/2 | 4,075.25 | 1/2 | 4,273.34 | 1/2 | 4,454.84 | 1/2 | 4,649.19 |
| 3/4 | 2,993.17 | 3/4 | 3,180.46 | 3/4 | 3,365.65 | 3/4 | 3,550.83 | 3/4 | 3,663.52 | 3/4 | 3,908.28 | 3/4 | 4,078.50 | 3/4 | 4,276.57 | 3/4 | 4,458.07 | 3/4 | 4,652.88 |
| 8 | 2,999.14 | 8 | 3,184.32 | 8 | 3,369.50 | 8 | 3,554.69 | 8 | 3,664.77 | 8 | 3,911.53 | 8 | 4,081.75 | 8 | 4,279.80 | 8 | 4,461.30 | 8 | 4,656.57 |
| 1/4 | 3,002.99 | 1/4 | 3,188.18 | 1/4 | 3,373.36 | 1/4 | 3,558.55 | 1/4 | 3,666.02 | 1/4 | 3,914.78 | 1/4 | 4,085.00 | 1/4 | 4,283.03 | 1/4 | 4,464.53 | 1/4 | 4,660.26 |
| 1/2 | 3,006.85 | 1/2 | 3,192.04 | 1/2 | 3,377.22 | 1/2 | 3,562.40 | 1/2 | 3,667.27 | 1/2 | 3,918.03 | 1/2 | 4,088.25 | 1/2 | 4,286.26 | 1/2 | 4,467.76 | 1/2 | 4,663.95 |
| 3/4 | 3,010.71 | 3/4 | 3,195.89 | 3/4 | 3,381.08 | 3/4 | 3,566.26 | 3/4 | 3,668.52 | 3/4 | 3,921.28 | 3/4 | 4,091.50 | 3/4 | 4,289.49 | 3/4 | 4,470.99 | 3/4 | 4,667.64 |
| 9 | 3,014.57 | 9 | 3,199.75 | 9 | 3,384.94 | 9 | 3,570.12 | 9 | 3,669.77 | 9 | 3,924.53 | 9 | 4,094.75 | 9 | 4,292.72 | 9 | 4,474.22 | 9 | 4,671.33 |
| 1/4 | 3,018.43 | 1/4 | 3,203.61 | 1/4 | 3,388.79 | 1/4 | 3,573.98 | 1/4 | 3,671.02 | 1/4 | 3,927.78 | 1/4 | 4,098.00 | 1/4 | 4,295.95 | 1/4 | 4,477.45 | 1/4 | 4,675.02 |
| 1/2 | 3,022.28 | 1/2 | 3,207.47 | 1/2 | 3,392.65 | 1/2 | 3,577.83 | 1/2 | 3,672.27 | 1/2 | 3,931.03 | 1/2 | 4,101.25 | 1/2 | 4,300.18 | 1/2 | 4,480.68 | 1/2 | 4,678.71 |
| 3/4 | 3,026.14 | 3/4 | 3,211.33 | 3/4 | 3,396.51 | 3/4 | 3,581.69 | 3/4 | 3,673.52 | 3/4 | 3,934.28 | 3/4 | 4,104.50 | 3/4 | 4,303.41 | 3/4 | 4,483.91 | 3/4 | 4,682.40 |
| 10 | 3,030.00 | 10 | 3,215.18 | 10 | 3,400.37 | 10 | 3,585.54 | 10 | 3,674.77 | 10 | 3,937.53 | 10 | 4,107.75 | 10 | 4,306.64 | 10 | 4,487.14 | 10 | 4,686.09 |
| 1/4 | 3,033.86 | 1/4 | 3,219.04 | 1/4 | 3,404.23 | 1/4 | 3,589.39 | 1/4 | 3,676.02 | 1/4 | 3,940.78 | 1/4 | 4,111.00 | 1/4 | 4,310.87 | 1/4 | 4,490.37 | 1/4 | 4,689.78 |
| 1/2 | 3,037.72 | 1/2 | 3,222.90 | 1/2 | 3,408.08 | 1/2 | 3,593.24 | 1/2 | 3,677.27 | 1/2 | 3,944.03 | 1/2 | 4,114.25 | 1/2 | 4,314.10 | 1/2 | 4,493.60 | 1/2 | 4,693.47 |
| 3/4 | 3,041.57 | 3/4 | 3,226.76 | 3/4 | 3,411.94 | 3/4 | 3,597.09 | 3/4 | 3,678.52 | 3/4 | 3,947.28 | 3/4 | 4,117.50 | 3/4 | 4,317.33 | 3/4 | 4,496.83 | 3/4 | 4,697.16 |
| 11 | 3,045.43 | 11 | 3,230.62 | 11 | 3,415.80 | 11 | 3,600.93 | 11 | 3,679.77 | 11 | 3,950.53 | 11 | 4,120.75 | 11 | 4,320.57 | 11 | 4,499.06 | 11 | 4,700.85 |
| 1/4 | 3,049.29 | 1/4 | 3,234.47 | 1/4 | 3,419.66 | 1/4 | 3,604.75 | 1/4 | 3,681.02 | 1/4 | 3,953.78 | 1/4 | 4,124.00 | 1/4 | 4,323.80 | 1/4 | 4,502.29 | 1/4 | 4,704.54 |
| 1/2 | 3,053.15 | 1/2 | 3,238.33 | 1/2 | 3,423.52 | 1/2 | 3,608.57 | 1/2 | 3,682.27 | 1/2 | 3,957.03 | 1/2 | 4,127.25 | 1/2 | 4,327.03 | 1/2 | 4,505.52 | 1/2 | 4,708.23 |
| 3/4 | 3,057.01 | 3/4 | 3,242.19 | 3/4 | 3,427.37 | 3/4 | 3,612.39 | 3/4 | 3,683.52 | 3/4 | 3,960.28 | 3/4 | 4,130.50 | 3/4 | 4,330.26 | 3/4 | 4,508.75 | 3/4 | 4,711.92 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/17

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



BARGE "IB 1988"

2 CENTER INNAGE TABLE

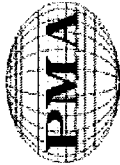
CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|--------|-------|--------|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 0 | 0.63 | 0 | 240.94 | 0 | 515.90 | 0 | 786.82 | 0 | 1,059.10 | 0 | 1,334.07 | 0 | 1,609.04 | 0 | 1,884.01 | 0 | 2,158.98 | 0 | 2,433.94 |
| 1/4 | 1.58 | 1/4 | 246.67 | 1/4 | 521.63 | 1/4 | 792.38 | 1/4 | 1,064.83 | 1/4 | 1,339.80 | 1/4 | 1,614.77 | 1/4 | 1,889.74 | 1/4 | 2,164.70 | 1/4 | 2,439.67 |
| 1/2 | 2.54 | 1/2 | 252.40 | 1/2 | 527.35 | 1/2 | 797.94 | 1/2 | 1,070.56 | 1/2 | 1,345.53 | 1/2 | 1,620.50 | 1/2 | 1,895.47 | 1/2 | 2,170.43 | 1/2 | 2,445.40 |
| 3/4 | 3.49 | 3/4 | 258.12 | 3/4 | 533.08 | 3/4 | 803.50 | 3/4 | 1,076.29 | 3/4 | 1,351.26 | 3/4 | 1,626.23 | 3/4 | 1,901.19 | 3/4 | 2,176.16 | 3/4 | 2,451.13 |
| 1 | 4.44 | 1 | 263.85 | 1 | 538.81 | 1 | 809.06 | 1 | 1,082.02 | 1 | 1,356.99 | 1 | 1,631.95 | 1 | 1,906.92 | 1 | 2,181.89 | 1 | 2,456.86 |
| 1/4 | 7.31 | 1/4 | 269.58 | 1/4 | 544.54 | 1/4 | 814.62 | 1/4 | 1,087.75 | 1/4 | 1,362.71 | 1/4 | 1,637.68 | 1/4 | 1,912.65 | 1/4 | 2,187.62 | 1/4 | 2,462.59 |
| 1/2 | 10.17 | 1/2 | 275.31 | 1/2 | 550.27 | 1/2 | 820.18 | 1/2 | 1,093.48 | 1/2 | 1,368.44 | 1/2 | 1,643.41 | 1/2 | 1,918.38 | 1/2 | 2,193.35 | 1/2 | 2,468.32 |
| 3/4 | 13.04 | 3/4 | 281.04 | 3/4 | 556.00 | 3/4 | 825.74 | 3/4 | 1,099.20 | 3/4 | 1,374.17 | 3/4 | 1,649.14 | 3/4 | 1,924.11 | 3/4 | 2,199.08 | 3/4 | 2,474.04 |
| 2 | 15.90 | 2 | 286.77 | 2 | 561.72 | 2 | 831.30 | 2 | 1,104.93 | 2 | 1,379.90 | 2 | 1,654.87 | 2 | 1,929.84 | 2 | 2,204.80 | 2 | 2,479.77 |
| 1/4 | 20.67 | 1/4 | 292.49 | 1/4 | 567.45 | 1/4 | 836.86 | 1/4 | 1,110.66 | 1/4 | 1,385.63 | 1/4 | 1,660.60 | 1/4 | 1,935.56 | 1/4 | 2,210.53 | 1/4 | 2,485.50 |
| 1/2 | 25.44 | 1/2 | 298.22 | 1/2 | 573.18 | 1/2 | 842.42 | 1/2 | 1,116.39 | 1/2 | 1,391.36 | 1/2 | 1,666.33 | 1/2 | 1,941.29 | 1/2 | 2,216.26 | 1/2 | 2,491.23 |
| 3/4 | 30.21 | 3/4 | 303.95 | 3/4 | 578.91 | 3/4 | 847.98 | 3/4 | 1,122.12 | 3/4 | 1,397.09 | 3/4 | 1,672.05 | 3/4 | 1,947.02 | 3/4 | 2,221.99 | 3/4 | 2,496.96 |
| 3 | 34.99 | 3 | 309.68 | 3 | 584.64 | 3 | 853.55 | 3 | 1,127.85 | 3 | 1,402.81 | 3 | 1,677.78 | 3 | 1,952.75 | 3 | 2,227.72 | 3 | 2,502.69 |
| 1/4 | 40.66 | 1/4 | 315.41 | 1/4 | 590.36 | 1/4 | 859.11 | 1/4 | 1,133.57 | 1/4 | 1,408.54 | 1/4 | 1,683.51 | 1/4 | 1,958.48 | 1/4 | 2,233.45 | 1/4 | 2,508.41 |
| 1/2 | 46.34 | 1/2 | 321.13 | 1/2 | 596.09 | 1/2 | 864.87 | 1/2 | 1,139.30 | 1/2 | 1,414.27 | 1/2 | 1,689.24 | 1/2 | 1,964.21 | 1/2 | 2,239.18 | 1/2 | 2,514.14 |
| 3/4 | 52.02 | 3/4 | 326.86 | 3/4 | 601.82 | 3/4 | 870.23 | 3/4 | 1,145.03 | 3/4 | 1,420.00 | 3/4 | 1,694.97 | 3/4 | 1,969.94 | 3/4 | 2,244.90 | 3/4 | 2,519.87 |
| 4 | 57.70 | 4 | 332.59 | 4 | 607.55 | 4 | 875.79 | 4 | 1,150.76 | 4 | 1,425.73 | 4 | 1,700.70 | 4 | 1,975.66 | 4 | 2,250.63 | 4 | 2,525.60 |
| 1/4 | 63.41 | 1/4 | 338.32 | 1/4 | 613.28 | 1/4 | 881.52 | 1/4 | 1,156.49 | 1/4 | 1,431.46 | 1/4 | 1,706.42 | 1/4 | 1,981.39 | 1/4 | 2,256.36 | 1/4 | 2,531.33 |
| 1/2 | 69.13 | 1/2 | 344.05 | 1/2 | 619.01 | 1/2 | 887.25 | 1/2 | 1,162.22 | 1/2 | 1,437.19 | 1/2 | 1,712.15 | 1/2 | 1,987.12 | 1/2 | 2,262.09 | 1/2 | 2,537.06 |
| 3/4 | 74.84 | 3/4 | 349.78 | 3/4 | 624.73 | 3/4 | 892.98 | 3/4 | 1,167.95 | 3/4 | 1,442.91 | 3/4 | 1,717.88 | 3/4 | 1,992.85 | 3/4 | 2,267.82 | 3/4 | 2,542.79 |
| 5 | 80.56 | 5 | 355.50 | 5 | 630.46 | 5 | 898.71 | 5 | 1,173.67 | 5 | 1,448.64 | 5 | 1,723.61 | 5 | 1,998.58 | 5 | 2,273.55 | 5 | 2,548.51 |
| 1/4 | 86.28 | 1/4 | 361.23 | 1/4 | 636.19 | 1/4 | 904.43 | 1/4 | 1,179.40 | 1/4 | 1,454.37 | 1/4 | 1,729.34 | 1/4 | 2,004.31 | 1/4 | 2,279.27 | 1/4 | 2,554.24 |
| 1/2 | 92.01 | 1/2 | 366.96 | 1/2 | 641.92 | 1/2 | 910.16 | 1/2 | 1,185.13 | 1/2 | 1,460.10 | 1/2 | 1,735.07 | 1/2 | 2,010.04 | 1/2 | 2,285.00 | 1/2 | 2,559.97 |
| 3/4 | 97.74 | 3/4 | 372.69 | 3/4 | 647.65 | 3/4 | 915.89 | 3/4 | 1,190.86 | 3/4 | 1,465.83 | 3/4 | 1,740.80 | 3/4 | 2,015.76 | 3/4 | 2,290.73 | 3/4 | 2,565.70 |
| 6 | 103.46 | 6 | 378.42 | 6 | 653.38 | 6 | 921.62 | 6 | 1,196.59 | 6 | 1,471.56 | 6 | 1,746.52 | 6 | 2,021.48 | 6 | 2,296.46 | 6 | 2,571.43 |
| 1/4 | 109.19 | 1/4 | 384.15 | 1/4 | 658.94 | 1/4 | 927.35 | 1/4 | 1,202.32 | 1/4 | 1,477.28 | 1/4 | 1,752.25 | 1/4 | 2,027.22 | 1/4 | 2,302.19 | 1/4 | 2,577.16 |
| 1/2 | 114.92 | 1/2 | 389.87 | 1/2 | 664.50 | 1/2 | 933.08 | 1/2 | 1,208.05 | 1/2 | 1,483.01 | 1/2 | 1,757.98 | 1/2 | 2,032.95 | 1/2 | 2,307.92 | 1/2 | 2,582.89 |
| 3/4 | 120.65 | 3/4 | 395.60 | 3/4 | 670.06 | 3/4 | 938.81 | 3/4 | 1,213.77 | 3/4 | 1,488.74 | 3/4 | 1,763.71 | 3/4 | 2,038.68 | 3/4 | 2,313.65 | 3/4 | 2,588.61 |
| 7 | 126.38 | 7 | 401.33 | 7 | 675.62 | 7 | 944.53 | 7 | 1,219.50 | 7 | 1,494.47 | 7 | 1,769.44 | 7 | 2,044.41 | 7 | 2,319.37 | 7 | 2,594.34 |
| 1/4 | 132.10 | 1/4 | 407.06 | 1/4 | 681.18 | 1/4 | 950.26 | 1/4 | 1,225.23 | 1/4 | 1,500.20 | 1/4 | 1,775.17 | 1/4 | 2,050.13 | 1/4 | 2,325.10 | 1/4 | 2,600.07 |
| 1/2 | 137.83 | 1/2 | 412.79 | 1/2 | 686.74 | 1/2 | 955.99 | 1/2 | 1,230.96 | 1/2 | 1,505.93 | 1/2 | 1,780.90 | 1/2 | 2,055.86 | 1/2 | 2,330.83 | 1/2 | 2,605.80 |
| 3/4 | 143.56 | 3/4 | 418.52 | 3/4 | 692.30 | 3/4 | 961.72 | 3/4 | 1,236.69 | 3/4 | 1,511.66 | 3/4 | 1,786.62 | 3/4 | 2,061.59 | 3/4 | 2,336.56 | 3/4 | 2,611.53 |
| 8 | 149.29 | 8 | 424.24 | 8 | 697.86 | 8 | 967.45 | 8 | 1,242.42 | 8 | 1,517.38 | 8 | 1,792.35 | 8 | 2,067.32 | 8 | 2,342.29 | 8 | 2,617.26 |
| 1/4 | 155.02 | 1/4 | 429.97 | 1/4 | 703.42 | 1/4 | 973.18 | 1/4 | 1,248.14 | 1/4 | 1,523.11 | 1/4 | 1,798.08 | 1/4 | 2,073.05 | 1/4 | 2,348.02 | 1/4 | 2,622.98 |
| 1/2 | 160.74 | 1/2 | 435.70 | 1/2 | 708.98 | 1/2 | 978.91 | 1/2 | 1,253.87 | 1/2 | 1,528.84 | 1/2 | 1,803.81 | 1/2 | 2,078.78 | 1/2 | 2,353.75 | 1/2 | 2,628.71 |
| 3/4 | 166.47 | 3/4 | 441.43 | 3/4 | 714.54 | 3/4 | 984.63 | 3/4 | 1,259.60 | 3/4 | 1,534.57 | 3/4 | 1,809.54 | 3/4 | 2,084.51 | 3/4 | 2,359.47 | 3/4 | 2,634.44 |
| 9 | 172.20 | 9 | 447.16 | 9 | 720.10 | 9 | 990.36 | 9 | 1,265.33 | 9 | 1,540.30 | 9 | 1,815.27 | 9 | 2,090.23 | 9 | 2,365.20 | 9 | 2,640.17 |
| 1/4 | 177.93 | 1/4 | 452.89 | 1/4 | 725.66 | 1/4 | 996.09 | 1/4 | 1,271.06 | 1/4 | 1,546.03 | 1/4 | 1,820.99 | 1/4 | 2,095.96 | 1/4 | 2,370.93 | 1/4 | 2,645.90 |
| 1/2 | 183.66 | 1/2 | 458.61 | 1/2 | 731.22 | 1/2 | 1,001.82 | 1/2 | 1,276.79 | 1/2 | 1,551.76 | 1/2 | 1,826.72 | 1/2 | 2,101.69 | 1/2 | 2,376.66 | 1/2 | 2,651.63 |
| 3/4 | 189.38 | 3/4 | 464.34 | 3/4 | 736.78 | 3/4 | 1,007.55 | 3/4 | 1,282.52 | 3/4 | 1,557.48 | 3/4 | 1,832.45 | 3/4 | 2,107.42 | 3/4 | 2,382.39 | 3/4 | 2,657.36 |
| 10 | 195.11 | 10 | 470.07 | 10 | 742.34 | 10 | 1,013.28 | 10 | 1,288.24 | 10 | 1,563.21 | 10 | 1,838.18 | 10 | 2,113.15 | 10 | 2,388.12 | 10 | 2,663.08 |
| 1/4 | 200.84 | 1/4 | 475.80 | 1/4 | 747.90 | 1/4 | 1,019.00 | 1/4 | 1,293.97 | 1/4 | 1,568.94 | 1/4 | 1,843.91 | 1/4 | 2,118.88 | 1/4 | 2,393.84 | 1/4 | 2,668.81 |
| 1/2 | 206.57 | 1/2 | 481.53 | 1/2 | 753.46 | 1/2 | 1,024.73 | 1/2 | 1,299.70 | 1/2 | 1,574.67 | 1/2 | 1,849.64 | 1/2 | 2,124.61 | 1/2 | 2,399.57 | 1/2 | 2,674.54 |
| 3/4 | 212.30 | 3/4 | 487.26 | 3/4 | 759.02 | 3/4 | 1,030.46 | 3/4 | 1,305.43 | 3/4 | 1,580.40 | 3/4 | 1,855.37 | 3/4 | 2,130.33 | 3/4 | 2,405.30 | 3/4 | 2,680.27 |
| 11 | 218.03 | 11 | 492.98 | 11 | 764.58 | 11 | 1,036.19 | 11 | 1,311.16 | 11 | 1,586.13 | 11 | 1,861.09 | 11 | 2,136.06 | 11 | 2,411.03 | 11 | 2,686.00 |
| 1/4 | 223.75 | 1/4 | 498.71 | 1/4 | 770.14 | 1/4 | 1,041.92 | 1/4 | 1,316.89 | 1/4 | 1,591.85 | 1/4 | 1,866.82 | 1/4 | 2,141.79 | 1/4 | 2,416.76 | 1/4 | 2,691.73 |
| 1/2 | 229.48 | 1/2 | 504.44 | 1/2 | 775.70 | 1/2 | 1,047.65 | 1/2 | 1,322.62 | 1/2 | 1,597.58 | 1/2 | 1,872.55 | 1/2 | 2,147.52 | 1/2 | 2,422.49 | 1/2 | 2,697.46 |
| 3/4 | 235.21 | 3/4 | 510.17 | 3/4 | 781.26 | 3/4 | 1,053.38 | 3/4 | 1,328.34 | 3/4 | 1,603.31 | 3/4 | 1,878.28 | 3/4 | 2,153.25 | 3/4 | 2,428.22 | 3/4 | 2,703.18 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1988"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 0 | 2,708.91 | 0 | 2,983.88 | 0 | 3,258.85 | 0 | 3,533.82 | 0 | 3,808.62 | 0 | 4,083.42 | 0 | 4,358.22 | 0 | 4,633.02 | 0 | 4,907.82 | 0 | 5,182.62 |
| 1/4 | 2,714.64 | 1/4 | 2,989.61 | 1/4 | 3,264.58 | 1/4 | 3,539.54 | 1/4 | 3,813.79 | 1/4 | 4,088.59 | 1/4 | 4,363.39 | 1/4 | 4,638.19 | 1/4 | 4,912.99 | 1/4 | 5,187.79 |
| 1/2 | 2,720.37 | 1/2 | 2,995.34 | 1/2 | 3,270.31 | 1/2 | 3,545.27 | 1/2 | 3,818.96 | 1/2 | 4,094.32 | 1/2 | 4,369.12 | 1/2 | 4,643.92 | 1/2 | 4,918.72 | 1/2 | 5,193.52 |
| 3/4 | 2,726.10 | 3/4 | 3,001.07 | 3/4 | 3,276.03 | 3/4 | 3,551.00 | 3/4 | 3,824.13 | 3/4 | 4,100.00 | 3/4 | 4,375.00 | 3/4 | 4,650.00 | 3/4 | 4,925.00 | 3/4 | 5,200.00 |
| 1 | 2,731.83 | 1 | 3,006.79 | 1 | 3,281.76 | 1 | 3,556.73 | 1 | 3,829.30 | 1 | 4,106.73 | 1 | 4,382.16 | 1 | 4,657.59 | 1 | 4,933.02 | 1 | 5,205.45 |
| 1/4 | 2,737.55 | 1/4 | 3,012.52 | 1/4 | 3,287.49 | 1/4 | 3,562.46 | 1/4 | 3,832.64 | 1/4 | 4,112.64 | 1/4 | 4,388.00 | 1/4 | 4,663.36 | 1/4 | 4,938.72 | 1/4 | 5,210.88 |
| 1/2 | 2,743.28 | 1/2 | 3,018.25 | 1/2 | 3,293.22 | 1/2 | 3,568.19 | 1/2 | 3,838.99 | 1/2 | 4,118.41 | 1/2 | 4,393.77 | 1/2 | 4,669.12 | 1/2 | 4,944.00 | 1/2 | 5,216.24 |
| 3/4 | 2,749.01 | 3/4 | 3,023.98 | 3/4 | 3,298.95 | 3/4 | 3,573.92 | 3/4 | 3,844.33 | 3/4 | 4,124.14 | 3/4 | 4,400.00 | 3/4 | 4,674.72 | 3/4 | 4,949.28 | 3/4 | 5,221.60 |
| 2 | 2,754.74 | 2 | 3,029.71 | 2 | 3,304.68 | 2 | 3,579.64 | 2 | 3,849.67 | 2 | 4,129.87 | 2 | 4,405.76 | 2 | 4,680.00 | 2 | 4,954.56 | 2 | 5,227.04 |
| 1/4 | 2,760.47 | 1/4 | 3,035.44 | 1/4 | 3,310.40 | 1/4 | 3,585.37 | 1/4 | 3,854.10 | 1/4 | 4,135.60 | 1/4 | 4,411.52 | 1/4 | 4,685.76 | 1/4 | 4,959.84 | 1/4 | 5,232.48 |
| 1/2 | 2,766.20 | 1/2 | 3,041.17 | 1/2 | 3,316.13 | 1/2 | 3,591.10 | 1/2 | 3,859.53 | 1/2 | 4,141.44 | 1/2 | 4,417.44 | 1/2 | 4,691.52 | 1/2 | 4,965.12 | 1/2 | 5,237.92 |
| 3/4 | 2,771.93 | 3/4 | 3,046.89 | 3/4 | 3,321.86 | 3/4 | 3,596.83 | 3/4 | 3,864.96 | 3/4 | 4,147.36 | 3/4 | 4,423.36 | 3/4 | 4,697.44 | 3/4 | 4,970.40 | 3/4 | 5,243.36 |
| 3 | 2,777.65 | 3 | 3,052.62 | 3 | 3,327.59 | 3 | 3,602.56 | 3 | 3,870.40 | 3 | 4,153.28 | 3 | 4,429.28 | 3 | 4,703.52 | 3 | 4,975.84 | 3 | 5,248.80 |
| 1/4 | 2,783.38 | 1/4 | 3,058.35 | 1/4 | 3,333.32 | 1/4 | 3,608.29 | 1/4 | 3,875.84 | 1/4 | 4,159.20 | 1/4 | 4,435.20 | 1/4 | 4,709.60 | 1/4 | 4,981.28 | 1/4 | 5,254.24 |
| 1/2 | 2,789.11 | 1/2 | 3,064.08 | 1/2 | 3,339.05 | 1/2 | 3,614.02 | 1/2 | 3,881.28 | 1/2 | 4,165.12 | 1/2 | 4,441.12 | 1/2 | 4,715.52 | 1/2 | 4,986.72 | 1/2 | 5,259.68 |
| 3/4 | 2,794.84 | 3/4 | 3,069.81 | 3/4 | 3,344.78 | 3/4 | 3,619.74 | 3/4 | 3,886.72 | 3/4 | 4,171.04 | 3/4 | 4,447.04 | 3/4 | 4,721.92 | 3/4 | 4,992.16 | 3/4 | 5,265.12 |
| 4 | 2,800.57 | 4 | 3,075.54 | 4 | 3,350.50 | 4 | 3,625.47 | 4 | 3,892.16 | 4 | 4,177.00 | 4 | 4,453.00 | 4 | 4,727.84 | 4 | 5,000.00 | 4 | 5,270.56 |
| 1/4 | 2,806.30 | 1/4 | 3,081.26 | 1/4 | 3,356.23 | 1/4 | 3,631.20 | 1/4 | 3,897.60 | 1/4 | 4,182.96 | 1/4 | 4,459.04 | 1/4 | 4,733.76 | 1/4 | 5,005.44 | 1/4 | 5,276.00 |
| 1/2 | 2,812.03 | 1/2 | 3,086.99 | 1/2 | 3,361.96 | 1/2 | 3,636.93 | 1/2 | 3,903.12 | 1/2 | 4,188.96 | 1/2 | 4,465.12 | 1/2 | 4,739.68 | 1/2 | 5,010.88 | 1/2 | 5,281.44 |
| 3/4 | 2,817.75 | 3/4 | 3,092.72 | 3/4 | 3,367.69 | 3/4 | 3,642.66 | 3/4 | 3,908.64 | 3/4 | 4,194.88 | 3/4 | 4,471.20 | 3/4 | 4,745.60 | 3/4 | 5,016.32 | 3/4 | 5,286.88 |
| 5 | 2,823.48 | 5 | 3,098.45 | 5 | 3,373.42 | 5 | 3,648.39 | 5 | 3,914.40 | 5 | 4,200.80 | 5 | 4,477.28 | 5 | 4,751.52 | 5 | 5,021.76 | 5 | 5,292.32 |
| 1/4 | 2,829.21 | 1/4 | 3,104.18 | 1/4 | 3,379.15 | 1/4 | 3,654.11 | 1/4 | 3,919.84 | 1/4 | 4,206.72 | 1/4 | 4,483.36 | 1/4 | 4,757.44 | 1/4 | 5,027.20 | 1/4 | 5,297.76 |
| 1/2 | 2,834.94 | 1/2 | 3,109.91 | 1/2 | 3,384.88 | 1/2 | 3,659.84 | 1/2 | 3,925.68 | 1/2 | 4,212.64 | 1/2 | 4,489.44 | 1/2 | 4,763.36 | 1/2 | 5,032.64 | 1/2 | 5,303.20 |
| 3/4 | 2,840.67 | 3/4 | 3,115.64 | 3/4 | 3,390.60 | 3/4 | 3,665.57 | 3/4 | 3,931.52 | 3/4 | 4,218.56 | 3/4 | 4,495.52 | 3/4 | 4,769.44 | 3/4 | 5,038.08 | 3/4 | 5,308.64 |
| 6 | 2,846.40 | 6 | 3,121.36 | 6 | 3,396.33 | 6 | 3,671.30 | 6 | 3,937.44 | 6 | 4,224.48 | 6 | 4,501.60 | 6 | 4,775.52 | 6 | 5,043.52 | 6 | 5,314.08 |
| 1/4 | 2,852.12 | 1/4 | 3,127.09 | 1/4 | 3,402.06 | 1/4 | 3,677.03 | 1/4 | 3,943.36 | 1/4 | 4,230.40 | 1/4 | 4,507.68 | 1/4 | 4,781.60 | 1/4 | 5,048.96 | 1/4 | 5,319.52 |
| 1/2 | 2,857.85 | 1/2 | 3,132.82 | 1/2 | 3,407.79 | 1/2 | 3,682.76 | 1/2 | 3,949.28 | 1/2 | 4,236.32 | 1/2 | 4,513.84 | 1/2 | 4,787.68 | 1/2 | 5,054.40 | 1/2 | 5,324.96 |
| 3/4 | 2,863.58 | 3/4 | 3,138.55 | 3/4 | 3,413.52 | 3/4 | 3,688.49 | 3/4 | 3,955.12 | 3/4 | 4,242.24 | 3/4 | 4,520.00 | 3/4 | 4,793.76 | 3/4 | 5,059.84 | 3/4 | 5,330.40 |
| 7 | 2,869.31 | 7 | 3,144.28 | 7 | 3,419.25 | 7 | 3,694.21 | 7 | 3,960.00 | 7 | 4,248.16 | 7 | 4,526.08 | 7 | 4,799.84 | 7 | 5,065.28 | 7 | 5,335.84 |
| 1/4 | 2,875.04 | 1/4 | 3,150.01 | 1/4 | 3,424.97 | 1/4 | 3,699.94 | 1/4 | 3,965.84 | 1/4 | 4,254.08 | 1/4 | 4,532.32 | 1/4 | 4,805.92 | 1/4 | 5,070.72 | 1/4 | 5,341.28 |
| 1/2 | 2,880.77 | 1/2 | 3,155.74 | 1/2 | 3,430.70 | 1/2 | 3,705.67 | 1/2 | 3,971.68 | 1/2 | 4,260.00 | 1/2 | 4,538.56 | 1/2 | 4,811.84 | 1/2 | 5,076.16 | 1/2 | 5,346.72 |
| 3/4 | 2,886.50 | 3/4 | 3,161.46 | 3/4 | 3,436.43 | 3/4 | 3,711.40 | 3/4 | 3,977.52 | 3/4 | 4,265.92 | 3/4 | 4,544.80 | 3/4 | 4,817.76 | 3/4 | 5,081.60 | 3/4 | 5,352.16 |
| 8 | 2,892.22 | 8 | 3,167.19 | 8 | 3,442.16 | 8 | 3,717.13 | 8 | 3,983.36 | 8 | 4,271.84 | 8 | 4,551.04 | 8 | 4,823.68 | 8 | 5,087.04 | 8 | 5,357.60 |
| 1/4 | 2,897.95 | 1/4 | 3,172.92 | 1/4 | 3,447.89 | 1/4 | 3,722.86 | 1/4 | 3,989.20 | 1/4 | 4,277.76 | 1/4 | 4,557.28 | 1/4 | 4,829.60 | 1/4 | 5,092.48 | 1/4 | 5,363.04 |
| 1/2 | 2,903.68 | 1/2 | 3,178.65 | 1/2 | 3,453.62 | 1/2 | 3,728.59 | 1/2 | 3,995.04 | 1/2 | 4,283.68 | 1/2 | 4,563.60 | 1/2 | 4,835.52 | 1/2 | 5,097.92 | 1/2 | 5,368.48 |
| 3/4 | 2,909.41 | 3/4 | 3,184.38 | 3/4 | 3,459.35 | 3/4 | 3,734.31 | 3/4 | 3,999.84 | 3/4 | 4,289.60 | 3/4 | 4,569.92 | 3/4 | 4,841.44 | 3/4 | 5,103.36 | 3/4 | 5,373.92 |
| 9 | 2,915.14 | 9 | 3,190.11 | 9 | 3,465.07 | 9 | 3,740.04 | 9 | 4,005.68 | 9 | 4,295.52 | 9 | 4,576.24 | 9 | 4,847.36 | 9 | 5,108.80 | 9 | 5,379.36 |
| 1/4 | 2,920.87 | 1/4 | 3,195.83 | 1/4 | 3,470.80 | 1/4 | 3,745.78 | 1/4 | 4,011.52 | 1/4 | 4,301.44 | 1/4 | 4,582.56 | 1/4 | 4,853.28 | 1/4 | 5,114.24 | 1/4 | 5,384.80 |
| 1/2 | 2,926.60 | 1/2 | 3,201.56 | 1/2 | 3,476.53 | 1/2 | 3,751.51 | 1/2 | 4,017.44 | 1/2 | 4,307.36 | 1/2 | 4,588.80 | 1/2 | 4,859.20 | 1/2 | 5,119.68 | 1/2 | 5,390.24 |
| 3/4 | 2,932.32 | 3/4 | 3,207.29 | 3/4 | 3,482.26 | 3/4 | 3,757.24 | 3/4 | 4,023.36 | 3/4 | 4,313.28 | 3/4 | 4,595.04 | 3/4 | 4,865.04 | 3/4 | 5,125.12 | 3/4 | 5,395.68 |
| 10 | 2,938.05 | 10 | 3,213.02 | 10 | 3,487.99 | 10 | 3,762.98 | 10 | 4,029.28 | 10 | 4,319.20 | 10 | 4,601.12 | 10 | 4,870.88 | 10 | 5,130.56 | 10 | 5,401.12 |
| 1/4 | 2,943.78 | 1/4 | 3,218.75 | 1/4 | 3,493.72 | 1/4 | 3,768.70 | 1/4 | 4,035.20 | 1/4 | 4,325.12 | 1/4 | 4,607.04 | 1/4 | 4,876.80 | 1/4 | 5,136.00 | 1/4 | 5,406.56 |
| 1/2 | 2,949.51 | 1/2 | 3,224.48 | 1/2 | 3,499.45 | 1/2 | 3,774.41 | 1/2 | 4,041.12 | 1/2 | 4,331.04 | 1/2 | 4,613.04 | 1/2 | 4,882.72 | 1/2 | 5,141.44 | 1/2 | 5,412.00 |
| 3/4 | 2,955.24 | 3/4 | 3,230.21 | 3/4 | 3,505.17 | 3/4 | 3,780.13 | 3/4 | 4,047.04 | 3/4 | 4,337.04 | 3/4 | 4,619.04 | 3/4 | 4,888.64 | 3/4 | 5,146.88 | 3/4 | 5,417.44 |
| 11 | 2,960.97 | 11 | 3,235.93 | 11 | 3,510.90 | 11 | 3,785.85 | 11 | 4,053.04 | 11 | 4,343.04 | 11 | 4,625.04 | 11 | 4,894.56 | 11 | 5,152.32 | 11 | 5,422.88 |
| 1/4 | 2,966.69 | 1/4 | 3,241.66 | 1/4 | 3,516.63 | 1/4 | 3,791.51 | 1/4 | 4,059.04 | 1/4 | 4,349.04 | 1/4 | 4,631.04 | 1/4 | 4,900.48 | 1/4 | 5,157.76 | 1/4 | 5,428.32 |
| 1/2 | 2,972.42 | 1/2 | 3,247.39 | 1/2 | 3,522.36 | 1/2 | 3,797.24 | 1/2 | 4,065.04 | 1/2 | 4,355.04 | 1/2 | 4,637.04 | 1/2 | 4,906.40 | 1/2 | 5,163.20 | 1/2 | 5,433.76 |
| 3/4 | 2,978.15 | 3/4 | 3,253.12 | 3/4 | 3,528.09 | 3/4 | 3,802.93 | 3/4 | 4,071.04 | 3/4 | 4,361.04 | 3/4 | 4,643.04 | 3/4 | 4,911.84 | 3/4 | 5,168.64 | 3/4 | 5,439.20 |

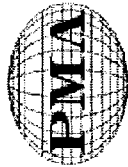
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "IB 1988"

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 | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 0.63 | 0 | 238.79 | 0 | 511.28 | 0 | 783.52 | 0 | 1,055.86 | 0 | 1,328.37 | 0 | 1,600.88 | 0 | 1,873.38 | 0 | 2,145.89 | 0 | 2,418.39 |
| 1/4 | 1.57 | 1/4 | 244.46 | 1/4 | 516.96 | 1/4 | 789.19 | 1/4 | 1,061.54 | 1/4 | 1,334.05 | 1/4 | 1,606.55 | 1/4 | 1,879.06 | 1/4 | 2,151.56 | 1/4 | 2,424.07 |
| 1/2 | 2.52 | 1/2 | 250.14 | 1/2 | 522.64 | 1/2 | 794.85 | 1/2 | 1,067.22 | 1/2 | 1,339.74 | 1/2 | 1,612.23 | 1/2 | 1,884.74 | 1/2 | 2,157.24 | 1/2 | 2,429.75 |
| 3/4 | 3.46 | 3/4 | 255.82 | 3/4 | 528.31 | 3/4 | 800.52 | 3/4 | 1,072.90 | 3/4 | 1,345.40 | 3/4 | 1,617.91 | 3/4 | 1,890.41 | 3/4 | 2,162.92 | 3/4 | 2,435.42 |
| 1 | 4.41 | 1 | 261.49 | 1 | 533.99 | 1 | 806.19 | 1 | 1,078.57 | 1 | 1,351.08 | 1 | 1,623.58 | 1 | 1,896.09 | 1 | 2,168.60 | 1 | 2,441.10 |
| 1/4 | 7.25 | 1/4 | 267.17 | 1/4 | 539.67 | 1/4 | 811.85 | 1/4 | 1,084.25 | 1/4 | 1,356.76 | 1/4 | 1,629.26 | 1/4 | 1,901.77 | 1/4 | 2,174.27 | 1/4 | 2,446.78 |
| 1/2 | 10.09 | 1/2 | 272.85 | 1/2 | 545.34 | 1/2 | 817.52 | 1/2 | 1,089.93 | 1/2 | 1,362.43 | 1/2 | 1,634.94 | 1/2 | 1,907.44 | 1/2 | 2,179.95 | 1/2 | 2,452.46 |
| 3/4 | 12.93 | 3/4 | 278.52 | 3/4 | 551.02 | 3/4 | 823.18 | 3/4 | 1,095.60 | 3/4 | 1,368.11 | 3/4 | 1,640.62 | 3/4 | 1,913.12 | 3/4 | 2,185.63 | 3/4 | 2,458.13 |
| 2 | 15.76 | 2 | 284.20 | 2 | 556.70 | 2 | 828.85 | 2 | 1,101.28 | 2 | 1,373.79 | 2 | 1,646.29 | 2 | 1,918.80 | 2 | 2,191.30 | 2 | 2,463.81 |
| 1/4 | 20.49 | 1/4 | 289.88 | 1/4 | 562.37 | 1/4 | 834.52 | 1/4 | 1,106.96 | 1/4 | 1,379.46 | 1/4 | 1,651.97 | 1/4 | 1,924.48 | 1/4 | 2,196.98 | 1/4 | 2,469.49 |
| 1/2 | 25.22 | 1/2 | 295.56 | 1/2 | 568.05 | 1/2 | 840.19 | 1/2 | 1,112.64 | 1/2 | 1,385.14 | 1/2 | 1,657.65 | 1/2 | 1,930.15 | 1/2 | 2,202.66 | 1/2 | 2,475.16 |
| 3/4 | 29.95 | 3/4 | 301.23 | 3/4 | 573.73 | 3/4 | 845.85 | 3/4 | 1,118.31 | 3/4 | 1,390.82 | 3/4 | 1,663.32 | 3/4 | 1,935.83 | 3/4 | 2,208.34 | 3/4 | 2,480.84 |
| 3 | 34.68 | 3 | 306.91 | 3 | 579.41 | 3 | 851.52 | 3 | 1,123.99 | 3 | 1,396.50 | 3 | 1,669.00 | 3 | 1,941.51 | 3 | 2,214.01 | 3 | 2,486.52 |
| 1/4 | 40.31 | 1/4 | 312.59 | 1/4 | 585.08 | 1/4 | 857.19 | 1/4 | 1,129.67 | 1/4 | 1,402.17 | 1/4 | 1,674.68 | 1/4 | 1,947.18 | 1/4 | 2,219.69 | 1/4 | 2,492.20 |
| 1/2 | 45.93 | 1/2 | 318.26 | 1/2 | 590.76 | 1/2 | 862.86 | 1/2 | 1,135.35 | 1/2 | 1,407.85 | 1/2 | 1,680.36 | 1/2 | 1,952.86 | 1/2 | 2,225.37 | 1/2 | 2,497.87 |
| 3/4 | 51.56 | 3/4 | 323.94 | 3/4 | 596.44 | 3/4 | 868.53 | 3/4 | 1,141.02 | 3/4 | 1,413.53 | 3/4 | 1,686.03 | 3/4 | 1,958.54 | 3/4 | 2,231.04 | 3/4 | 2,503.55 |
| 4 | 57.19 | 4 | 329.62 | 4 | 602.11 | 4 | 874.19 | 4 | 1,146.70 | 4 | 1,419.21 | 4 | 1,691.71 | 4 | 1,964.22 | 4 | 2,236.72 | 4 | 2,509.23 |
| 1/4 | 62.85 | 1/4 | 335.29 | 1/4 | 607.79 | 1/4 | 879.87 | 1/4 | 1,152.38 | 1/4 | 1,424.88 | 1/4 | 1,697.39 | 1/4 | 1,969.89 | 1/4 | 2,242.40 | 1/4 | 2,514.90 |
| 1/2 | 68.52 | 1/2 | 340.97 | 1/2 | 613.47 | 1/2 | 885.55 | 1/2 | 1,158.05 | 1/2 | 1,430.56 | 1/2 | 1,703.07 | 1/2 | 1,975.57 | 1/2 | 2,248.08 | 1/2 | 2,520.58 |
| 3/4 | 74.18 | 3/4 | 346.65 | 3/4 | 619.14 | 3/4 | 891.23 | 3/4 | 1,163.73 | 3/4 | 1,436.24 | 3/4 | 1,708.74 | 3/4 | 1,981.25 | 3/4 | 2,253.75 | 3/4 | 2,526.26 |
| 5 | 79.84 | 5 | 352.33 | 5 | 624.82 | 5 | 896.90 | 5 | 1,169.41 | 5 | 1,441.91 | 5 | 1,714.42 | 5 | 1,986.93 | 5 | 2,259.43 | 5 | 2,531.94 |
| 1/4 | 85.52 | 1/4 | 358.00 | 1/4 | 630.50 | 1/4 | 902.58 | 1/4 | 1,175.09 | 1/4 | 1,447.59 | 1/4 | 1,720.10 | 1/4 | 1,992.60 | 1/4 | 2,265.11 | 1/4 | 2,537.61 |
| 1/2 | 91.19 | 1/2 | 363.68 | 1/2 | 636.18 | 1/2 | 908.26 | 1/2 | 1,180.76 | 1/2 | 1,453.27 | 1/2 | 1,725.77 | 1/2 | 1,998.28 | 1/2 | 2,270.79 | 1/2 | 2,543.29 |
| 3/4 | 96.87 | 3/4 | 369.36 | 3/4 | 641.85 | 3/4 | 913.93 | 3/4 | 1,186.44 | 3/4 | 1,458.95 | 3/4 | 1,731.45 | 3/4 | 2,003.96 | 3/4 | 2,276.46 | 3/4 | 2,548.97 |
| 6 | 102.54 | 6 | 375.03 | 6 | 647.53 | 6 | 919.61 | 6 | 1,192.12 | 6 | 1,464.62 | 6 | 1,737.13 | 6 | 2,009.63 | 6 | 2,282.14 | 6 | 2,554.65 |
| 1/4 | 108.22 | 1/4 | 380.71 | 1/4 | 653.20 | 1/4 | 925.29 | 1/4 | 1,197.79 | 1/4 | 1,470.30 | 1/4 | 1,742.81 | 1/4 | 2,015.31 | 1/4 | 2,287.82 | 1/4 | 2,560.32 |
| 1/2 | 113.90 | 1/2 | 386.39 | 1/2 | 658.86 | 1/2 | 930.97 | 1/2 | 1,203.47 | 1/2 | 1,475.98 | 1/2 | 1,748.48 | 1/2 | 2,020.99 | 1/2 | 2,293.49 | 1/2 | 2,566.00 |
| 3/4 | 119.57 | 3/4 | 392.06 | 3/4 | 664.53 | 3/4 | 936.64 | 3/4 | 1,209.15 | 3/4 | 1,481.65 | 3/4 | 1,754.16 | 3/4 | 2,026.67 | 3/4 | 2,299.17 | 3/4 | 2,571.68 |
| 7 | 125.25 | 7 | 397.74 | 7 | 670.19 | 7 | 942.32 | 7 | 1,214.83 | 7 | 1,487.33 | 7 | 1,759.84 | 7 | 2,032.34 | 7 | 2,304.85 | 7 | 2,577.35 |
| 1/4 | 130.93 | 1/4 | 403.42 | 1/4 | 675.86 | 1/4 | 948.00 | 1/4 | 1,220.50 | 1/4 | 1,493.01 | 1/4 | 1,765.51 | 1/4 | 2,038.02 | 1/4 | 2,310.53 | 1/4 | 2,583.03 |
| 1/2 | 136.60 | 1/2 | 409.10 | 1/2 | 681.53 | 1/2 | 953.67 | 1/2 | 1,226.18 | 1/2 | 1,498.69 | 1/2 | 1,771.19 | 1/2 | 2,043.70 | 1/2 | 2,316.20 | 1/2 | 2,588.71 |
| 3/4 | 142.28 | 3/4 | 414.77 | 3/4 | 687.19 | 3/4 | 959.35 | 3/4 | 1,231.86 | 3/4 | 1,504.36 | 3/4 | 1,776.87 | 3/4 | 2,049.37 | 3/4 | 2,321.88 | 3/4 | 2,594.39 |
| 8 | 147.96 | 8 | 420.45 | 8 | 692.86 | 8 | 965.03 | 8 | 1,237.53 | 8 | 1,510.04 | 8 | 1,782.55 | 8 | 2,055.05 | 8 | 2,327.56 | 8 | 2,600.06 |
| 1/4 | 153.63 | 1/4 | 426.13 | 1/4 | 698.53 | 1/4 | 970.71 | 1/4 | 1,243.21 | 1/4 | 1,515.72 | 1/4 | 1,788.22 | 1/4 | 2,060.73 | 1/4 | 2,333.23 | 1/4 | 2,605.74 |
| 1/2 | 159.31 | 1/2 | 431.80 | 1/2 | 704.19 | 1/2 | 976.38 | 1/2 | 1,248.89 | 1/2 | 1,521.39 | 1/2 | 1,793.90 | 1/2 | 2,066.41 | 1/2 | 2,338.91 | 1/2 | 2,611.42 |
| 3/4 | 164.99 | 3/4 | 437.48 | 3/4 | 709.86 | 3/4 | 982.06 | 3/4 | 1,254.57 | 3/4 | 1,527.07 | 3/4 | 1,799.58 | 3/4 | 2,072.08 | 3/4 | 2,344.59 | 3/4 | 2,617.09 |
| 9 | 170.66 | 9 | 443.16 | 9 | 715.52 | 9 | 987.74 | 9 | 1,260.24 | 9 | 1,532.75 | 9 | 1,805.25 | 9 | 2,077.76 | 9 | 2,350.27 | 9 | 2,622.77 |
| 1/4 | 176.34 | 1/4 | 448.83 | 1/4 | 721.19 | 1/4 | 993.42 | 1/4 | 1,265.92 | 1/4 | 1,538.43 | 1/4 | 1,810.93 | 1/4 | 2,083.44 | 1/4 | 2,355.94 | 1/4 | 2,628.45 |
| 1/2 | 182.02 | 1/2 | 454.51 | 1/2 | 726.86 | 1/2 | 999.09 | 1/2 | 1,271.60 | 1/2 | 1,544.10 | 1/2 | 1,816.61 | 1/2 | 2,089.11 | 1/2 | 2,361.62 | 1/2 | 2,634.13 |
| 3/4 | 187.69 | 3/4 | 460.19 | 3/4 | 732.52 | 3/4 | 1,004.77 | 3/4 | 1,277.28 | 3/4 | 1,549.78 | 3/4 | 1,822.29 | 3/4 | 2,094.79 | 3/4 | 2,367.30 | 3/4 | 2,639.80 |
| 10 | 193.37 | 10 | 465.87 | 10 | 738.19 | 10 | 1,010.45 | 10 | 1,282.95 | 10 | 1,555.46 | 10 | 1,827.96 | 10 | 2,100.47 | 10 | 2,372.97 | 10 | 2,645.48 |
| 1/4 | 199.05 | 1/4 | 471.54 | 1/4 | 743.86 | 1/4 | 1,016.12 | 1/4 | 1,288.63 | 1/4 | 1,561.14 | 1/4 | 1,833.64 | 1/4 | 2,106.15 | 1/4 | 2,378.55 | 1/4 | 2,651.16 |
| 1/2 | 204.72 | 1/2 | 477.22 | 1/2 | 749.52 | 1/2 | 1,021.80 | 1/2 | 1,294.31 | 1/2 | 1,566.81 | 1/2 | 1,839.32 | 1/2 | 2,111.82 | 1/2 | 2,384.33 | 1/2 | 2,656.83 |
| 3/4 | 210.40 | 3/4 | 482.90 | 3/4 | 755.19 | 3/4 | 1,027.48 | 3/4 | 1,299.98 | 3/4 | 1,572.49 | 3/4 | 1,845.00 | 3/4 | 2,117.50 | 3/4 | 2,390.01 | 3/4 | 2,662.51 |
| 11 | 216.08 | 11 | 488.57 | 11 | 760.86 | 11 | 1,033.16 | 11 | 1,305.66 | 11 | 1,578.17 | 11 | 1,850.67 | 11 | 2,123.18 | 11 | 2,395.68 | 11 | 2,668.19 |
| 1/4 | 221.75 | 1/4 | 494.25 | 1/4 | 766.52 | 1/4 | 1,038.83 | 1/4 | 1,311.34 | 1/4 | 1,583.84 | 1/4 | 1,856.35 | 1/4 | 2,128.86 | 1/4 | 2,401.36 | 1/4 | 2,673.87 |
| 1/2 | 227.43 | 1/2 | 499.93 | 1/2 | 772.19 | 1/2 | 1,044.51 | 1/2 | 1,317.02 | 1/2 | 1,589.52 | 1/2 | 1,862.03 | 1/2 | 2,134.53 | 1/2 | 2,407.04 | 1/2 | 2,679.54 |
| 3/4 | 233.11 | 3/4 | 505.60 | 3/4 | 777.85 | 3/4 | 1,050.19 | 3/4 | 1,322.69 | 3/4 | 1,595.20 | 3/4 | 1,867.70 | 3/4 | 2,140.21 | 3/4 | 2,412.72 | 3/4 | 2,685.22 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "IB 1988"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 0 | 2,690.90 | 0 | 2,963.40 | 0 | 3,235.91 | 0 | 3,508.41 | 0 | 3,780.73 | 0 | 4,053.05 | 0 | 4,325.37 | 0 | 4,597.69 | 0 | 4,870.01 | 0 | 5,142.33 |
| 1/4 | 2,696.58 | 1/4 | 2,969.08 | 1/4 | 3,241.59 | 1/4 | 3,514.09 | 1/4 | 3,786.86 | 1/4 | 4,059.18 | 1/4 | 4,331.50 | 1/4 | 4,603.82 | 1/4 | 4,876.14 | 1/4 | 5,148.46 |
| 1/2 | 2,702.25 | 1/2 | 2,974.76 | 1/2 | 3,247.26 | 1/2 | 3,519.77 | 1/2 | 3,790.98 | 1/2 | 4,064.29 | 1/2 | 4,336.61 | 1/2 | 4,608.93 | 1/2 | 4,881.25 | 1/2 | 5,153.57 |
| 3/4 | 2,707.93 | 3/4 | 2,980.44 | 3/4 | 3,252.94 | 3/4 | 3,525.45 | 3/4 | 3,796.10 | 3/4 | 4,069.62 | 3/4 | 4,342.94 | 3/4 | 4,614.26 | 3/4 | 4,886.58 | 3/4 | 5,159.24 |
| 1 | 2,713.61 | 1 | 2,986.11 | 1 | 3,258.62 | 1 | 3,531.12 | 1 | 3,801.23 | 1 | 4,075.74 | 1 | 4,348.06 | 1 | 4,620.38 | 1 | 4,892.70 | 1 | 5,164.92 |
| 1/4 | 2,719.28 | 1/4 | 2,991.79 | 1/4 | 3,264.30 | 1/4 | 3,536.80 | 1/4 | 3,804.54 | 1/4 | 4,081.36 | 1/4 | 4,353.68 | 1/4 | 4,626.00 | 1/4 | 4,898.32 | 1/4 | 5,170.60 |
| 1/2 | 2,724.96 | 1/2 | 2,997.47 | 1/2 | 3,269.97 | 1/2 | 3,542.48 | 1/2 | 3,807.85 | 1/2 | 4,087.07 | 1/2 | 4,358.41 | 1/2 | 4,631.73 | 1/2 | 4,903.96 | 1/2 | 5,176.28 |
| 3/4 | 2,730.64 | 3/4 | 3,003.14 | 3/4 | 3,275.65 | 3/4 | 3,548.16 | 3/4 | 3,811.16 | 3/4 | 4,092.78 | 3/4 | 4,364.11 | 3/4 | 4,637.46 | 3/4 | 4,909.70 | 3/4 | 5,181.96 |
| 2 | 2,736.32 | 2 | 3,008.82 | 2 | 3,281.33 | 2 | 3,553.83 | 2 | 3,814.48 | 2 | 4,098.50 | 2 | 4,369.83 | 2 | 4,643.19 | 2 | 4,915.44 | 2 | 5,187.64 |
| 1/4 | 2,741.99 | 1/4 | 3,014.50 | 1/4 | 3,287.00 | 1/4 | 3,559.51 | 1/4 | 3,815.90 | 1/4 | 4,104.11 | 1/4 | 4,375.54 | 1/4 | 4,648.92 | 1/4 | 4,921.16 | 1/4 | 5,193.32 |
| 1/2 | 2,747.67 | 1/2 | 3,020.18 | 1/2 | 3,292.68 | 1/2 | 3,565.19 | 1/2 | 3,817.31 | 1/2 | 4,109.72 | 1/2 | 4,380.97 | 1/2 | 4,654.65 | 1/2 | 4,926.84 | 1/2 | 5,199.00 |
| 3/4 | 2,753.35 | 3/4 | 3,025.85 | 3/4 | 3,298.36 | 3/4 | 3,570.86 | 3/4 | 3,818.73 | 3/4 | 4,115.33 | 3/4 | 4,386.36 | 3/4 | 4,660.36 | 3/4 | 4,932.52 | 3/4 | 5,204.68 |
| 3 | 2,759.02 | 3 | 3,031.53 | 3 | 3,304.04 | 3 | 3,576.54 | 3 | 3,820.15 | 3 | 4,120.94 | 3 | 4,391.97 | 3 | 4,666.07 | 3 | 4,938.20 | 3 | 5,210.36 |
| 1/4 | 2,764.70 | 1/4 | 3,037.21 | 1/4 | 3,309.71 | 1/4 | 3,582.22 | 1/4 | 3,820.39 | 1/4 | 4,126.55 | 1/4 | 4,397.58 | 1/4 | 4,671.67 | 1/4 | 4,943.84 | 1/4 | 5,216.04 |
| 1/2 | 2,770.38 | 1/2 | 3,042.88 | 1/2 | 3,315.39 | 1/2 | 3,587.90 | 1/2 | 3,825.90 | 1/2 | 4,132.16 | 1/2 | 4,403.19 | 1/2 | 4,677.28 | 1/2 | 4,949.46 | 1/2 | 5,221.72 |
| 3/4 | 2,776.06 | 3/4 | 3,048.56 | 3/4 | 3,321.07 | 3/4 | 3,593.57 | 3/4 | 3,831.21 | 3/4 | 4,137.77 | 3/4 | 4,408.80 | 3/4 | 4,682.89 | 3/4 | 4,955.08 | 3/4 | 5,227.40 |
| 4 | 2,781.73 | 4 | 3,054.24 | 4 | 3,326.74 | 4 | 3,599.25 | 4 | 3,836.44 | 4 | 4,143.36 | 4 | 4,414.41 | 4 | 4,688.50 | 4 | 4,960.70 | 4 | 5,233.08 |
| 1/4 | 2,787.41 | 1/4 | 3,059.92 | 1/4 | 3,332.42 | 1/4 | 3,604.93 | 1/4 | 3,841.67 | 1/4 | 4,148.97 | 1/4 | 4,419.96 | 1/4 | 4,694.11 | 1/4 | 4,966.32 | 1/4 | 5,238.76 |
| 1/2 | 2,793.09 | 1/2 | 3,065.59 | 1/2 | 3,338.10 | 1/2 | 3,610.60 | 1/2 | 3,846.90 | 1/2 | 4,154.58 | 1/2 | 4,425.55 | 1/2 | 4,700.70 | 1/2 | 4,971.94 | 1/2 | 5,244.44 |
| 3/4 | 2,798.76 | 3/4 | 3,071.27 | 3/4 | 3,343.78 | 3/4 | 3,616.28 | 3/4 | 3,852.13 | 3/4 | 4,160.19 | 3/4 | 4,431.14 | 3/4 | 4,706.33 | 3/4 | 4,977.56 | 3/4 | 5,250.12 |
| 5 | 2,804.44 | 5 | 3,076.95 | 5 | 3,349.45 | 5 | 3,621.96 | 5 | 3,857.36 | 5 | 4,165.80 | 5 | 4,436.73 | 5 | 4,711.92 | 5 | 4,983.18 | 5 | 5,255.80 |
| 1/4 | 2,810.12 | 1/4 | 3,082.62 | 1/4 | 3,355.13 | 1/4 | 3,627.64 | 1/4 | 3,862.57 | 1/4 | 4,171.41 | 1/4 | 4,442.32 | 1/4 | 4,717.51 | 1/4 | 4,988.80 | 1/4 | 5,261.48 |
| 1/2 | 2,815.80 | 1/2 | 3,088.30 | 1/2 | 3,360.81 | 1/2 | 3,633.31 | 1/2 | 3,867.78 | 1/2 | 4,177.00 | 1/2 | 4,447.91 | 1/2 | 4,723.10 | 1/2 | 4,994.42 | 1/2 | 5,267.16 |
| 3/4 | 2,821.47 | 3/4 | 3,093.98 | 3/4 | 3,366.48 | 3/4 | 3,638.99 | 3/4 | 3,873.05 | 3/4 | 4,182.59 | 3/4 | 4,453.50 | 3/4 | 4,728.70 | 3/4 | 4,999.94 | 3/4 | 5,272.84 |
| 6 | 2,827.15 | 6 | 3,099.66 | 6 | 3,372.16 | 6 | 3,644.67 | 6 | 3,878.22 | 6 | 4,188.18 | 6 | 4,459.09 | 6 | 4,734.30 | 6 | 5,005.56 | 6 | 5,278.52 |
| 1/4 | 2,832.83 | 1/4 | 3,105.33 | 1/4 | 3,377.84 | 1/4 | 3,650.34 | 1/4 | 3,883.39 | 1/4 | 4,193.77 | 1/4 | 4,464.68 | 1/4 | 4,739.81 | 1/4 | 5,011.18 | 1/4 | 5,284.20 |
| 1/2 | 2,838.51 | 1/2 | 3,111.01 | 1/2 | 3,383.52 | 1/2 | 3,656.02 | 1/2 | 3,888.52 | 1/2 | 4,199.36 | 1/2 | 4,470.27 | 1/2 | 4,745.40 | 1/2 | 5,016.80 | 1/2 | 5,289.88 |
| 3/4 | 2,844.18 | 3/4 | 3,116.69 | 3/4 | 3,389.19 | 3/4 | 3,661.70 | 3/4 | 3,893.65 | 3/4 | 4,204.95 | 3/4 | 4,475.86 | 3/4 | 4,750.93 | 3/4 | 5,022.42 | 3/4 | 5,295.56 |
| 7 | 2,849.86 | 7 | 3,122.37 | 7 | 3,394.87 | 7 | 3,667.38 | 7 | 3,898.77 | 7 | 4,210.54 | 7 | 4,481.45 | 7 | 4,756.54 | 7 | 5,028.04 | 7 | 5,301.24 |
| 1/4 | 2,855.54 | 1/4 | 3,128.04 | 1/4 | 3,400.55 | 1/4 | 3,673.05 | 1/4 | 3,903.86 | 1/4 | 4,216.13 | 1/4 | 4,487.06 | 1/4 | 4,762.13 | 1/4 | 5,033.66 | 1/4 | 5,306.92 |
| 1/2 | 2,861.21 | 1/2 | 3,133.72 | 1/2 | 3,406.23 | 1/2 | 3,678.73 | 1/2 | 3,909.01 | 1/2 | 4,221.72 | 1/2 | 4,492.67 | 1/2 | 4,767.72 | 1/2 | 5,039.28 | 1/2 | 5,312.60 |
| 3/4 | 2,866.89 | 3/4 | 3,139.40 | 3/4 | 3,411.90 | 3/4 | 3,684.41 | 3/4 | 3,914.10 | 3/4 | 4,227.31 | 3/4 | 4,498.28 | 3/4 | 4,773.31 | 3/4 | 5,044.90 | 3/4 | 5,318.28 |
| 8 | 2,872.57 | 8 | 3,145.07 | 8 | 3,417.58 | 8 | 3,690.09 | 8 | 3,919.29 | 8 | 4,232.90 | 8 | 4,503.89 | 8 | 4,778.90 | 8 | 5,050.52 | 8 | 5,323.96 |
| 1/4 | 2,878.25 | 1/4 | 3,150.75 | 1/4 | 3,423.26 | 1/4 | 3,695.76 | 1/4 | 3,924.48 | 1/4 | 4,238.49 | 1/4 | 4,509.50 | 1/4 | 4,784.49 | 1/4 | 5,056.14 | 1/4 | 5,329.64 |
| 1/2 | 2,883.92 | 1/2 | 3,156.43 | 1/2 | 3,428.93 | 1/2 | 3,701.44 | 1/2 | 3,929.69 | 1/2 | 4,244.08 | 1/2 | 4,515.11 | 1/2 | 4,790.08 | 1/2 | 5,061.76 | 1/2 | 5,335.32 |
| 3/4 | 2,889.60 | 3/4 | 3,162.11 | 3/4 | 3,434.61 | 3/4 | 3,707.12 | 3/4 | 3,934.81 | 3/4 | 4,249.67 | 3/4 | 4,520.72 | 3/4 | 4,795.67 | 3/4 | 5,067.38 | 3/4 | 5,341.00 |
| 9 | 2,895.28 | 9 | 3,167.78 | 9 | 3,440.29 | 9 | 3,712.79 | 9 | 3,939.90 | 9 | 4,255.26 | 9 | 4,526.33 | 9 | 4,801.26 | 9 | 5,073.00 | 9 | 5,346.68 |
| 1/4 | 2,900.95 | 1/4 | 3,173.46 | 1/4 | 3,445.97 | 1/4 | 3,718.47 | 1/4 | 3,945.50 | 1/4 | 4,260.85 | 1/4 | 4,531.94 | 1/4 | 4,806.85 | 1/4 | 5,078.62 | 1/4 | 5,352.36 |
| 1/2 | 2,906.63 | 1/2 | 3,179.14 | 1/2 | 3,451.64 | 1/2 | 3,724.15 | 1/2 | 3,950.11 | 1/2 | 4,266.44 | 1/2 | 4,537.53 | 1/2 | 4,812.44 | 1/2 | 5,084.24 | 1/2 | 5,358.04 |
| 3/4 | 2,912.31 | 3/4 | 3,184.81 | 3/4 | 3,457.32 | 3/4 | 3,729.82 | 3/4 | 3,955.70 | 3/4 | 4,272.03 | 3/4 | 4,543.12 | 3/4 | 4,818.04 | 3/4 | 5,089.86 | 3/4 | 5,363.72 |
| 10 | 2,917.99 | 10 | 3,190.49 | 10 | 3,463.00 | 10 | 3,735.50 | 10 | 3,960.29 | 10 | 4,277.62 | 10 | 4,548.71 | 10 | 4,823.64 | 10 | 5,095.48 | 10 | 5,369.40 |
| 1/4 | 2,923.66 | 1/4 | 3,196.17 | 1/4 | 3,468.67 | 1/4 | 3,741.17 | 1/4 | 3,965.88 | 1/4 | 4,283.23 | 1/4 | 4,554.32 | 1/4 | 4,829.24 | 1/4 | 5,101.10 | 1/4 | 5,375.08 |
| 1/2 | 2,929.34 | 1/2 | 3,201.85 | 1/2 | 3,474.35 | 1/2 | 3,746.83 | 1/2 | 3,971.09 | 1/2 | 4,288.84 | 1/2 | 4,560.91 | 1/2 | 4,834.86 | 1/2 | 5,106.72 | 1/2 | 5,380.76 |
| 3/4 | 2,935.02 | 3/4 | 3,207.52 | 3/4 | 3,480.03 | 3/4 | 3,752.50 | 3/4 | 3,976.37 | 3/4 | 4,294.45 | 3/4 | 4,566.50 | 3/4 | 4,840.47 | 3/4 | 5,112.34 | 3/4 | 5,386.44 |
| 11 | 2,940.69 | 11 | 3,213.20 | 11 | 3,485.71 | 11 | 3,758.17 | 11 | 3,981.64 | 11 | 4,300.06 | 11 | 4,572.08 | 11 | 4,846.09 | 11 | 5,117.96 | 11 | 5,392.12 |
| 1/4 | 2,946.37 | 1/4 | 3,218.88 | 1/4 | 3,491.38 | 1/4 | 3,763.81 | 1/4 | 3,986.97 | 1/4 | 4,305.67 | 1/4 | 4,577.69 | 1/4 | 4,851.71 | 1/4 | 5,123.58 | 1/4 | 5,397.80 |
| 1/2 | 2,952.05 | 1/2 | 3,224.55 | 1/2 | 3,497.06 | 1/2 | 3,769.45 | 1/2 | 3,992.30 | 1/2 | 4,311.26 | 1/2 | 4,583.30 | 1/2 | 4,857.33 | 1/2 | 5,129.20 | 1/2 | 5,403.48 |
| 3/4 | 2,957.73 | 3/4 | 3,230.23 | 3/4 | 3,502.74 | 3/4 | 3,775.09 | 3/4 | 3,997.93 | 3/4 | 4,316.85 | 3/4 | 4,588.91 | 3/4 | 4,862.95 | 3/4 | 5,134.82 | 3/4 | 5,409.16 |

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