



BARGE "IB 1940"

INNAGE TRIM TABLE

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

(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 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 182'-06"

September 27, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "IB 1940"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 94 | 0 | 11,702 | 0 | 24,621 | 0 | 37,377 | 0 | 50,200 | 0 | 63,112 | 0 | 76,007 | 0 | 88,926 | 0 | 101,844 | 0 | 114,763 |
| 1/4 | 172 | 1/4 | 11,971 | 1/4 | 24,890 | 1/4 | 37,640 | 1/4 | 50,469 | 1/4 | 63,380 | 1/4 | 76,276 | 1/4 | 89,195 | 1/4 | 102,114 | 1/4 | 115,032 |
| 1/2 | 251 | 1/2 | 12,240 | 1/2 | 25,159 | 1/2 | 37,903 | 1/2 | 50,738 | 1/2 | 63,649 | 1/2 | 76,546 | 1/2 | 89,464 | 1/2 | 102,383 | 1/2 | 115,301 |
| 3/4 | 330 | 3/4 | 12,509 | 3/4 | 25,428 | 3/4 | 38,166 | 3/4 | 51,007 | 3/4 | 63,917 | 3/4 | 76,815 | 3/4 | 89,733 | 3/4 | 102,652 | 3/4 | 115,570 |
| 1 | 408 | 1 | 12,778 | 1 | 25,697 | 1 | 38,428 | 1 | 51,276 | 1 | 64,186 | 1 | 77,084 | 1 | 90,003 | 1 | 102,921 | 1 | 115,839 |
| 1/4 | 577 | 1/4 | 13,047 | 1/4 | 25,967 | 1/4 | 38,691 | 1/4 | 51,545 | 1/4 | 64,454 | 1/4 | 77,353 | 1/4 | 90,272 | 1/4 | 103,190 | 1/4 | 116,108 |
| 1/2 | 745 | 1/2 | 13,316 | 1/2 | 26,236 | 1/2 | 38,954 | 1/2 | 51,814 | 1/2 | 64,723 | 1/2 | 77,622 | 1/2 | 90,541 | 1/2 | 103,459 | 1/2 | 116,378 |
| 3/4 | 914 | 3/4 | 13,586 | 3/4 | 26,505 | 3/4 | 39,217 | 3/4 | 52,083 | 3/4 | 64,991 | 3/4 | 77,891 | 3/4 | 90,810 | 3/4 | 103,728 | 3/4 | 116,647 |
| 2 | 1,082 | 2 | 13,855 | 2 | 26,774 | 2 | 39,480 | 2 | 52,352 | 2 | 65,260 | 2 | 78,160 | 2 | 91,079 | 2 | 103,997 | 2 | 116,916 |
| 1/4 | 1,321 | 1/4 | 14,124 | 1/4 | 27,043 | 1/4 | 39,742 | 1/4 | 52,621 | 1/4 | 65,528 | 1/4 | 78,430 | 1/4 | 91,348 | 1/4 | 104,266 | 1/4 | 117,185 |
| 1/2 | 1,560 | 1/2 | 14,393 | 1/2 | 27,312 | 1/2 | 40,005 | 1/2 | 52,890 | 1/2 | 65,797 | 1/2 | 78,699 | 1/2 | 91,617 | 1/2 | 104,536 | 1/2 | 117,454 |
| 3/4 | 1,800 | 3/4 | 14,662 | 3/4 | 27,581 | 3/4 | 40,268 | 3/4 | 53,159 | 3/4 | 66,066 | 3/4 | 78,968 | 3/4 | 91,887 | 3/4 | 104,805 | 3/4 | 117,723 |
| 3 | 2,039 | 3 | 14,931 | 3 | 27,851 | 3 | 40,531 | 3 | 53,428 | 3 | 66,334 | 3 | 79,237 | 3 | 92,156 | 3 | 105,074 | 3 | 117,992 |
| 1/4 | 2,304 | 1/4 | 15,201 | 1/4 | 28,120 | 1/4 | 40,796 | 1/4 | 53,697 | 1/4 | 66,603 | 1/4 | 79,506 | 1/4 | 92,425 | 1/4 | 105,343 | 1/4 | 118,262 |
| 1/2 | 2,569 | 1/2 | 15,470 | 1/2 | 28,389 | 1/2 | 41,061 | 1/2 | 53,966 | 1/2 | 66,871 | 1/2 | 79,775 | 1/2 | 92,694 | 1/2 | 105,612 | 1/2 | 118,531 |
| 3/4 | 2,834 | 3/4 | 15,739 | 3/4 | 28,658 | 3/4 | 41,326 | 3/4 | 54,235 | 3/4 | 67,140 | 3/4 | 80,044 | 3/4 | 92,963 | 3/4 | 105,881 | 3/4 | 118,800 |
| 4 | 3,099 | 4 | 16,008 | 4 | 28,927 | 4 | 41,591 | 4 | 54,504 | 4 | 67,408 | 4 | 80,313 | 4 | 93,232 | 4 | 106,150 | 4 | 119,069 |
| 1/4 | 3,366 | 1/4 | 16,277 | 1/4 | 29,196 | 1/4 | 41,860 | 1/4 | 54,773 | 1/4 | 67,677 | 1/4 | 80,583 | 1/4 | 93,501 | 1/4 | 106,419 | 1/4 | 119,338 |
| 1/2 | 3,633 | 1/2 | 16,546 | 1/2 | 29,466 | 1/2 | 42,129 | 1/2 | 55,042 | 1/2 | 67,945 | 1/2 | 80,852 | 1/2 | 93,771 | 1/2 | 106,689 | 1/2 | 119,607 |
| 3/4 | 3,900 | 3/4 | 16,815 | 3/4 | 29,735 | 3/4 | 42,398 | 3/4 | 55,311 | 3/4 | 68,214 | 3/4 | 81,121 | 3/4 | 94,040 | 3/4 | 106,958 | 3/4 | 119,876 |
| 5 | 4,167 | 5 | 17,085 | 5 | 30,004 | 5 | 42,667 | 5 | 55,580 | 5 | 68,482 | 5 | 81,390 | 5 | 94,309 | 5 | 107,227 | 5 | 120,146 |
| 1/4 | 4,435 | 1/4 | 17,354 | 1/4 | 30,271 | 1/4 | 42,936 | 1/4 | 55,849 | 1/4 | 68,751 | 1/4 | 81,659 | 1/4 | 94,578 | 1/4 | 107,496 | 1/4 | 120,415 |
| 1/2 | 4,704 | 1/2 | 17,623 | 1/2 | 30,537 | 1/2 | 43,205 | 1/2 | 56,118 | 1/2 | 69,019 | 1/2 | 81,928 | 1/2 | 94,847 | 1/2 | 107,765 | 1/2 | 120,684 |
| 3/4 | 4,972 | 3/4 | 17,892 | 3/4 | 30,804 | 3/4 | 43,474 | 3/4 | 56,387 | 3/4 | 69,288 | 3/4 | 82,197 | 3/4 | 95,116 | 3/4 | 108,034 | 3/4 | 120,953 |
| 6 | 5,240 | 6 | 18,161 | 6 | 31,071 | 6 | 43,743 | 6 | 56,656 | 6 | 69,557 | 6 | 82,467 | 6 | 95,385 | 6 | 108,303 | 6 | 121,222 |
| 1/4 | 5,509 | 1/4 | 18,430 | 1/4 | 31,334 | 1/4 | 44,012 | 1/4 | 56,925 | 1/4 | 69,825 | 1/4 | 82,736 | 1/4 | 95,655 | 1/4 | 108,572 | 1/4 | 121,491 |
| 1/2 | 5,778 | 1/2 | 18,700 | 1/2 | 31,596 | 1/2 | 44,281 | 1/2 | 57,194 | 1/2 | 70,094 | 1/2 | 83,005 | 1/2 | 95,924 | 1/2 | 108,842 | 1/2 | 121,760 |
| 3/4 | 6,047 | 3/4 | 18,969 | 3/4 | 31,859 | 3/4 | 44,550 | 3/4 | 57,463 | 3/4 | 70,362 | 3/4 | 83,274 | 3/4 | 96,193 | 3/4 | 109,111 | 3/4 | 122,030 |
| 7 | 6,316 | 7 | 19,238 | 7 | 32,122 | 7 | 44,819 | 7 | 57,732 | 7 | 70,631 | 7 | 83,543 | 7 | 96,462 | 7 | 109,380 | 7 | 122,299 |
| 1/4 | 6,585 | 1/4 | 19,507 | 1/4 | 32,385 | 1/4 | 45,088 | 1/4 | 58,001 | 1/4 | 70,899 | 1/4 | 83,812 | 1/4 | 96,731 | 1/4 | 109,649 | 1/4 | 122,568 |
| 1/2 | 6,854 | 1/2 | 19,776 | 1/2 | 32,647 | 1/2 | 45,357 | 1/2 | 58,270 | 1/2 | 71,168 | 1/2 | 84,081 | 1/2 | 97,000 | 1/2 | 109,918 | 1/2 | 122,837 |
| 3/4 | 7,124 | 3/4 | 20,045 | 3/4 | 32,910 | 3/4 | 45,626 | 3/4 | 58,539 | 3/4 | 71,436 | 3/4 | 84,351 | 3/4 | 97,269 | 3/4 | 110,187 | 3/4 | 123,106 |
| 8 | 7,393 | 8 | 20,314 | 8 | 33,173 | 8 | 45,895 | 8 | 58,808 | 8 | 71,705 | 8 | 84,620 | 8 | 97,539 | 8 | 110,456 | 8 | 123,375 |
| 1/4 | 7,662 | 1/4 | 20,584 | 1/4 | 33,436 | 1/4 | 46,165 | 1/4 | 59,077 | 1/4 | 71,973 | 1/4 | 84,889 | 1/4 | 97,808 | 1/4 | 110,726 | 1/4 | 123,644 |
| 1/2 | 7,931 | 1/2 | 20,853 | 1/2 | 33,699 | 1/2 | 46,434 | 1/2 | 59,346 | 1/2 | 72,242 | 1/2 | 85,158 | 1/2 | 98,077 | 1/2 | 110,995 | 1/2 | 123,914 |
| 3/4 | 8,201 | 3/4 | 21,122 | 3/4 | 33,961 | 3/4 | 46,703 | 3/4 | 59,615 | 3/4 | 72,511 | 3/4 | 85,427 | 3/4 | 98,346 | 3/4 | 111,264 | 3/4 | 124,183 |
| 9 | 8,470 | 9 | 21,391 | 9 | 34,224 | 9 | 46,972 | 9 | 59,884 | 9 | 72,779 | 9 | 85,696 | 9 | 98,615 | 9 | 111,533 | 9 | 124,452 |
| 1/4 | 8,739 | 1/4 | 21,660 | 1/4 | 34,487 | 1/4 | 47,241 | 1/4 | 60,153 | 1/4 | 73,048 | 1/4 | 85,965 | 1/4 | 98,884 | 1/4 | 111,802 | 1/4 | 124,694 |
| 1/2 | 9,009 | 1/2 | 21,929 | 1/2 | 34,750 | 1/2 | 47,510 | 1/2 | 60,422 | 1/2 | 73,317 | 1/2 | 86,235 | 1/2 | 99,153 | 1/2 | 112,071 | 1/2 | 124,937 |
| 3/4 | 9,278 | 3/4 | 22,198 | 3/4 | 35,012 | 3/4 | 47,779 | 3/4 | 60,691 | 3/4 | 73,585 | 3/4 | 86,504 | 3/4 | 99,422 | 3/4 | 112,340 | 3/4 | 125,180 |
| 10 | 9,548 | 10 | 22,468 | 10 | 35,275 | 10 | 48,048 | 10 | 60,960 | 10 | 73,854 | 10 | 86,773 | 10 | 99,692 | 10 | 112,610 | 10 | 125,422 |
| 1/4 | 9,817 | 1/4 | 22,737 | 1/4 | 35,538 | 1/4 | 48,317 | 1/4 | 61,229 | 1/4 | 74,123 | 1/4 | 87,042 | 1/4 | 99,961 | 1/4 | 112,879 | 1/4 | 125,621 |
| 1/2 | 10,086 | 1/2 | 23,006 | 1/2 | 35,801 | 1/2 | 48,586 | 1/2 | 61,498 | 1/2 | 74,392 | 1/2 | 87,311 | 1/2 | 100,230 | 1/2 | 113,148 | 1/2 | 125,820 |
| 3/4 | 10,356 | 3/4 | 23,275 | 3/4 | 36,063 | 3/4 | 48,855 | 3/4 | 61,767 | 3/4 | 74,662 | 3/4 | 87,580 | 3/4 | 100,499 | 3/4 | 113,417 | 3/4 | 126,018 |
| 11 | 10,625 | 11 | 23,544 | 11 | 36,326 | 11 | 49,124 | 11 | 62,036 | 11 | 74,931 | 11 | 87,849 | 11 | 100,768 | 11 | 113,686 | 11 | 126,217 |
| 1/4 | 10,894 | 1/4 | 23,813 | 1/4 | 36,589 | 1/4 | 49,393 | 1/4 | 62,305 | 1/4 | 75,200 | 1/4 | 88,119 | 1/4 | 101,037 | 1/4 | 113,955 | 1/4 | 126,416 |
| 1/2 | 11,163 | 1/2 | 24,083 | 1/2 | 36,852 | 1/2 | 49,662 | 1/2 | 62,574 | 1/2 | 75,469 | 1/2 | 88,388 | 1/2 | 101,306 | 1/2 | 114,224 | 1/2 | 126,615 |
| 3/4 | 11,432 | 3/4 | 24,352 | 3/4 | 37,115 | 3/4 | 49,931 | 3/4 | 62,843 | 3/4 | 75,738 | 3/4 | 88,657 | 3/4 | 101,575 | 3/4 | 114,494 | 3/4 | 126,814 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

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

PRECISION MEASUREMENT
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BARGE "IB 1940"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 127,013 | 0 | 136,562 | 0 | 146,111 | 0 | 155,660 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 127,212 | 1/4 | 136,761 | 1/4 | 146,310 | 1/4 | 155,859 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 127,410 | 1/2 | 136,960 | 1/2 | 146,509 | 1/2 | 156,058 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 127,609 | 3/4 | 137,159 | 3/4 | 146,708 | 3/4 | 156,257 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 127,808 | 1 | 137,358 | 1 | 146,907 | 1 | 156,456 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 128,007 | 1/4 | 137,556 | 1/4 | 147,106 | 1/4 | 156,654 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 128,206 | 1/2 | 137,755 | 1/2 | 147,305 | 1/2 | 156,852 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 128,405 | 3/4 | 137,954 | 3/4 | 147,504 | 3/4 | 157,051 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 128,604 | 2 | 138,153 | 2 | 147,703 | 2 | 157,249 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 128,803 | 1/4 | 138,352 | 1/4 | 147,901 | 1/4 | 157,442 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,002 | 1/2 | 138,551 | 1/2 | 148,100 | 1/2 | 157,636 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,201 | 3/4 | 138,750 | 3/4 | 148,299 | 3/4 | 157,829 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 129,400 | 3 | 138,949 | 3 | 148,498 | 3 | 158,022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 129,599 | 1/4 | 139,148 | 1/4 | 148,697 | 1/4 | 158,180 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,798 | 1/2 | 139,347 | 1/2 | 148,896 | 1/2 | 158,337 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,997 | 3/4 | 139,546 | 3/4 | 149,095 | 3/4 | 158,494 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 130,196 | 4 | 139,745 | 4 | 149,294 | 4 | 158,652 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 130,395 | 1/4 | 139,944 | 1/4 | 149,493 | 1/4 | 158,727 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 130,594 | 1/2 | 140,143 | 1/2 | 149,692 | 1/2 | 158,802 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 130,792 | 3/4 | 140,342 | 3/4 | 149,891 | 3/4 | 158,878 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 130,991 | 5 | 140,541 | 5 | 150,090 | 5 | 158,953 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 131,190 | 1/4 | 140,740 | 1/4 | 150,289 | 1/4 | 158,973 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 131,389 | 1/2 | 140,938 | 1/2 | 150,488 | 1/2 | 158,994 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 131,588 | 3/4 | 141,137 | 3/4 | 150,687 | 3/4 | 159,014 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 131,787 | 6 | 141,336 | 6 | 150,886 | 6 | 159,035 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 131,986 | 1/4 | 141,535 | 1/4 | 151,085 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 132,185 | 1/2 | 141,734 | 1/2 | 151,283 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 132,384 | 3/4 | 141,933 | 3/4 | 151,482 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 132,583 | 7 | 142,132 | 7 | 151,681 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 132,782 | 1/4 | 142,331 | 1/4 | 151,880 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 132,981 | 1/2 | 142,530 | 1/2 | 152,079 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 133,180 | 3/4 | 142,729 | 3/4 | 152,278 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 133,379 | 8 | 142,928 | 8 | 152,477 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 133,578 | 1/4 | 143,127 | 1/4 | 152,676 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 133,777 | 1/2 | 143,326 | 1/2 | 152,875 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 133,976 | 3/4 | 143,525 | 3/4 | 153,074 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 134,174 | 9 | 143,724 | 9 | 153,273 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 134,373 | 1/4 | 143,923 | 1/4 | 153,472 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 134,572 | 1/2 | 144,122 | 1/2 | 153,671 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 134,771 | 3/4 | 144,321 | 3/4 | 153,870 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 134,970 | 10 | 144,519 | 10 | 154,069 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 135,169 | 1/4 | 144,718 | 1/4 | 154,268 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 135,368 | 1/2 | 144,917 | 1/2 | 154,467 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 135,567 | 3/4 | 145,116 | 3/4 | 154,665 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 135,766 | 11 | 145,315 | 11 | 154,864 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 135,965 | 1/4 | 145,514 | 1/4 | 155,063 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 136,164 | 1/2 | 145,713 | 1/2 | 155,262 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 136,363 | 3/4 | 145,912 | 3/4 | 155,461 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2013 SW
CALCULATED: 09/27/2013 CL
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1940"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 91 | 0 | 11,252 | 0 | 23,690 | 0 | 35,968 | 0 | 48,315 | 0 | 60,753 | 0 | 73,192 | 0 | 85,630 | 0 | 98,069 | 0 | 110,507 |
| 1/4 | 167 | 1/4 | 11,511 | 1/4 | 23,949 | 1/4 | 36,220 | 1/4 | 48,574 | 1/4 | 61,013 | 1/4 | 73,451 | 1/4 | 85,890 | 1/4 | 98,328 | 1/4 | 110,766 |
| 1/2 | 242 | 1/2 | 11,770 | 1/2 | 24,208 | 1/2 | 36,473 | 1/2 | 48,833 | 1/2 | 61,272 | 1/2 | 73,710 | 1/2 | 86,149 | 1/2 | 98,587 | 1/2 | 111,026 |
| 3/4 | 318 | 3/4 | 12,030 | 3/4 | 24,468 | 3/4 | 36,726 | 3/4 | 49,092 | 3/4 | 61,531 | 3/4 | 73,969 | 3/4 | 86,408 | 3/4 | 98,846 | 3/4 | 111,285 |
| 1 | 393 | 1 | 12,289 | 1 | 24,727 | 1 | 36,979 | 1 | 49,352 | 1 | 61,790 | 1 | 74,228 | 1 | 86,667 | 1 | 99,105 | 1 | 111,544 |
| 1/4 | 555 | 1/4 | 12,548 | 1/4 | 24,986 | 1/4 | 37,232 | 1/4 | 49,611 | 1/4 | 62,049 | 1/4 | 74,488 | 1/4 | 86,926 | 1/4 | 99,365 | 1/4 | 111,803 |
| 1/2 | 717 | 1/2 | 12,807 | 1/2 | 25,245 | 1/2 | 37,485 | 1/2 | 49,870 | 1/2 | 62,308 | 1/2 | 74,747 | 1/2 | 87,185 | 1/2 | 99,624 | 1/2 | 112,062 |
| 3/4 | 879 | 3/4 | 13,066 | 3/4 | 25,504 | 3/4 | 37,737 | 3/4 | 50,129 | 3/4 | 62,567 | 3/4 | 75,006 | 3/4 | 87,444 | 3/4 | 99,883 | 3/4 | 112,321 |
| 2 | 1,041 | 2 | 13,325 | 2 | 25,763 | 2 | 37,990 | 2 | 50,388 | 2 | 62,827 | 2 | 75,265 | 2 | 87,703 | 2 | 100,142 | 2 | 112,580 |
| 1/4 | 1,270 | 1/4 | 13,584 | 1/4 | 26,022 | 1/4 | 38,243 | 1/4 | 50,647 | 1/4 | 63,086 | 1/4 | 75,524 | 1/4 | 87,963 | 1/4 | 100,401 | 1/4 | 112,839 |
| 1/2 | 1,500 | 1/2 | 13,843 | 1/2 | 26,281 | 1/2 | 38,496 | 1/2 | 50,906 | 1/2 | 63,345 | 1/2 | 75,783 | 1/2 | 88,222 | 1/2 | 100,660 | 1/2 | 113,099 |
| 3/4 | 1,730 | 3/4 | 14,103 | 3/4 | 26,541 | 3/4 | 38,749 | 3/4 | 51,166 | 3/4 | 63,604 | 3/4 | 76,042 | 3/4 | 88,481 | 3/4 | 100,919 | 3/4 | 113,358 |
| 3 | 1,960 | 3 | 14,362 | 3 | 26,800 | 3 | 39,002 | 3 | 51,425 | 3 | 63,863 | 3 | 76,302 | 3 | 88,740 | 3 | 101,178 | 3 | 113,617 |
| 1/4 | 2,215 | 1/4 | 14,621 | 1/4 | 27,059 | 1/4 | 39,257 | 1/4 | 51,684 | 1/4 | 64,122 | 1/4 | 76,561 | 1/4 | 88,999 | 1/4 | 101,438 | 1/4 | 113,876 |
| 1/2 | 2,469 | 1/2 | 14,880 | 1/2 | 27,318 | 1/2 | 39,512 | 1/2 | 51,943 | 1/2 | 64,381 | 1/2 | 76,820 | 1/2 | 89,258 | 1/2 | 101,697 | 1/2 | 114,135 |
| 3/4 | 2,724 | 3/4 | 15,139 | 3/4 | 27,577 | 3/4 | 39,768 | 3/4 | 52,202 | 3/4 | 64,641 | 3/4 | 77,079 | 3/4 | 89,517 | 3/4 | 101,956 | 3/4 | 114,394 |
| 4 | 2,979 | 4 | 15,398 | 4 | 27,836 | 4 | 40,023 | 4 | 52,461 | 4 | 64,900 | 4 | 77,338 | 4 | 89,777 | 4 | 102,215 | 4 | 114,653 |
| 1/4 | 3,235 | 1/4 | 15,657 | 1/4 | 28,095 | 1/4 | 40,282 | 1/4 | 52,720 | 1/4 | 65,159 | 1/4 | 77,597 | 1/4 | 90,036 | 1/4 | 102,474 | 1/4 | 114,913 |
| 1/2 | 3,492 | 1/2 | 15,916 | 1/2 | 28,354 | 1/2 | 40,541 | 1/2 | 52,979 | 1/2 | 65,418 | 1/2 | 77,856 | 1/2 | 90,295 | 1/2 | 102,733 | 1/2 | 115,172 |
| 3/4 | 3,749 | 3/4 | 16,176 | 3/4 | 28,614 | 3/4 | 40,800 | 3/4 | 53,239 | 3/4 | 65,677 | 3/4 | 78,115 | 3/4 | 90,554 | 3/4 | 102,992 | 3/4 | 115,431 |
| 5 | 4,005 | 5 | 16,435 | 5 | 28,873 | 5 | 41,059 | 5 | 53,498 | 5 | 65,936 | 5 | 78,375 | 5 | 90,813 | 5 | 103,252 | 5 | 115,690 |
| 1/4 | 4,263 | 1/4 | 16,694 | 1/4 | 29,129 | 1/4 | 41,318 | 1/4 | 53,757 | 1/4 | 66,195 | 1/4 | 78,634 | 1/4 | 91,072 | 1/4 | 103,511 | 1/4 | 115,949 |
| 1/2 | 4,521 | 1/2 | 16,953 | 1/2 | 29,386 | 1/2 | 41,578 | 1/2 | 54,016 | 1/2 | 66,454 | 1/2 | 78,893 | 1/2 | 91,331 | 1/2 | 103,770 | 1/2 | 116,208 |
| 3/4 | 4,779 | 3/4 | 17,212 | 3/4 | 29,643 | 3/4 | 41,837 | 3/4 | 54,275 | 3/4 | 66,714 | 3/4 | 79,152 | 3/4 | 91,590 | 3/4 | 104,029 | 3/4 | 116,467 |
| 6 | 5,037 | 6 | 17,471 | 6 | 29,900 | 6 | 42,096 | 6 | 54,534 | 6 | 66,973 | 6 | 79,411 | 6 | 91,850 | 6 | 104,288 | 6 | 116,727 |
| 1/4 | 5,295 | 1/4 | 17,730 | 1/4 | 30,153 | 1/4 | 42,355 | 1/4 | 54,793 | 1/4 | 67,232 | 1/4 | 79,670 | 1/4 | 92,109 | 1/4 | 104,547 | 1/4 | 116,986 |
| 1/2 | 5,554 | 1/2 | 17,989 | 1/2 | 30,405 | 1/2 | 42,614 | 1/2 | 55,053 | 1/2 | 67,491 | 1/2 | 79,929 | 1/2 | 92,368 | 1/2 | 104,806 | 1/2 | 117,245 |
| 3/4 | 5,812 | 3/4 | 18,249 | 3/4 | 30,658 | 3/4 | 42,873 | 3/4 | 55,312 | 3/4 | 67,750 | 3/4 | 80,189 | 3/4 | 92,627 | 3/4 | 105,065 | 3/4 | 117,504 |
| 7 | 6,071 | 7 | 18,508 | 7 | 30,911 | 7 | 43,132 | 7 | 55,571 | 7 | 68,009 | 7 | 80,448 | 7 | 92,886 | 7 | 105,325 | 7 | 117,763 |
| 1/4 | 6,330 | 1/4 | 18,767 | 1/4 | 31,164 | 1/4 | 43,391 | 1/4 | 55,830 | 1/4 | 68,268 | 1/4 | 80,707 | 1/4 | 93,145 | 1/4 | 105,584 | 1/4 | 118,022 |
| 1/2 | 6,589 | 1/2 | 19,026 | 1/2 | 31,417 | 1/2 | 43,651 | 1/2 | 56,089 | 1/2 | 68,528 | 1/2 | 80,966 | 1/2 | 93,404 | 1/2 | 105,843 | 1/2 | 118,281 |
| 3/4 | 6,847 | 3/4 | 19,285 | 3/4 | 31,670 | 3/4 | 43,910 | 3/4 | 56,348 | 3/4 | 68,787 | 3/4 | 81,225 | 3/4 | 93,664 | 3/4 | 106,102 | 3/4 | 118,540 |
| 8 | 7,106 | 8 | 19,544 | 8 | 31,922 | 8 | 44,169 | 8 | 56,607 | 8 | 69,046 | 8 | 81,484 | 8 | 93,923 | 8 | 106,361 | 8 | 118,800 |
| 1/4 | 7,365 | 1/4 | 19,803 | 1/4 | 32,175 | 1/4 | 44,428 | 1/4 | 56,866 | 1/4 | 69,305 | 1/4 | 81,743 | 1/4 | 94,182 | 1/4 | 106,620 | 1/4 | 119,059 |
| 1/2 | 7,625 | 1/2 | 20,062 | 1/2 | 32,428 | 1/2 | 44,687 | 1/2 | 57,126 | 1/2 | 69,564 | 1/2 | 82,003 | 1/2 | 94,441 | 1/2 | 106,879 | 1/2 | 119,318 |
| 3/4 | 7,884 | 3/4 | 20,322 | 3/4 | 32,681 | 3/4 | 44,946 | 3/4 | 57,385 | 3/4 | 69,823 | 3/4 | 82,262 | 3/4 | 94,700 | 3/4 | 107,139 | 3/4 | 119,577 |
| 9 | 8,143 | 9 | 20,581 | 9 | 32,934 | 9 | 45,205 | 9 | 57,644 | 9 | 70,082 | 9 | 82,521 | 9 | 94,959 | 9 | 107,398 | 9 | 119,836 |
| 1/4 | 8,402 | 1/4 | 20,840 | 1/4 | 33,187 | 1/4 | 45,465 | 1/4 | 57,903 | 1/4 | 70,341 | 1/4 | 82,780 | 1/4 | 95,218 | 1/4 | 107,657 | 1/4 | 120,095 |
| 1/2 | 8,661 | 1/2 | 21,099 | 1/2 | 33,439 | 1/2 | 45,724 | 1/2 | 58,162 | 1/2 | 70,601 | 1/2 | 83,039 | 1/2 | 95,477 | 1/2 | 107,916 | 1/2 | 120,354 |
| 3/4 | 8,920 | 3/4 | 21,358 | 3/4 | 33,692 | 3/4 | 45,983 | 3/4 | 58,421 | 3/4 | 70,860 | 3/4 | 83,298 | 3/4 | 95,737 | 3/4 | 108,175 | 3/4 | 120,614 |
| 10 | 9,179 | 10 | 21,617 | 10 | 33,945 | 10 | 46,242 | 10 | 58,680 | 10 | 71,119 | 10 | 83,557 | 10 | 95,996 | 10 | 108,434 | 10 | 120,873 |
| 1/4 | 9,438 | 1/4 | 21,876 | 1/4 | 34,198 | 1/4 | 46,501 | 1/4 | 58,940 | 1/4 | 71,378 | 1/4 | 83,816 | 1/4 | 96,255 | 1/4 | 108,693 | 1/4 | 121,132 |
| 1/2 | 9,697 | 1/2 | 22,135 | 1/2 | 34,451 | 1/2 | 46,760 | 1/2 | 59,199 | 1/2 | 71,637 | 1/2 | 84,076 | 1/2 | 96,514 | 1/2 | 108,952 | 1/2 | 121,391 |
| 3/4 | 9,957 | 3/4 | 22,395 | 3/4 | 34,703 | 3/4 | 47,019 | 3/4 | 59,458 | 3/4 | 71,896 | 3/4 | 84,335 | 3/4 | 96,773 | 3/4 | 109,211 | 3/4 | 121,650 |
| 11 | 10,216 | 11 | 22,654 | 11 | 34,956 | 11 | 47,279 | 11 | 59,717 | 11 | 72,155 | 11 | 84,594 | 11 | 97,032 | 11 | 109,471 | 11 | 121,909 |
| 1/4 | 10,475 | 1/4 | 22,913 | 1/4 | 35,209 | 1/4 | 47,538 | 1/4 | 59,976 | 1/4 | 72,415 | 1/4 | 84,853 | 1/4 | 97,291 | 1/4 | 109,730 | 1/4 | 122,168 |
| 1/2 | 10,734 | 1/2 | 23,172 | 1/2 | 35,462 | 1/2 | 47,797 | 1/2 | 60,235 | 1/2 | 72,674 | 1/2 | 85,112 | 1/2 | 97,551 | 1/2 | 109,989 | 1/2 | 122,427 |
| 3/4 | 10,993 | 3/4 | 23,431 | 3/4 | 35,715 | 3/4 | 48,056 | 3/4 | 60,494 | 3/4 | 72,933 | 3/4 | 85,371 | 3/4 | 97,810 | 3/4 | 110,248 | 3/4 | 122,687 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1940"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 122,946 | 0 | 135,384 | 0 | 147,823 | 0 | 160,261 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 123,205 | 1/4 | 135,643 | 1/4 | 148,082 | 1/4 | 160,520 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 123,464 | 1/2 | 135,902 | 1/2 | 148,341 | 1/2 | 160,779 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 123,723 | 3/4 | 136,162 | 3/4 | 148,600 | 3/4 | 161,038 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 123,982 | 1 | 136,421 | 1 | 148,859 | 1 | 161,297 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 124,241 | 1/4 | 136,680 | 1/4 | 149,118 | 1/4 | 161,556 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 124,501 | 1/2 | 136,939 | 1/2 | 149,377 | 1/2 | 161,814 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 124,760 | 3/4 | 137,198 | 3/4 | 149,637 | 3/4 | 162,073 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 125,019 | 2 | 137,457 | 2 | 149,896 | 2 | 162,331 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 125,278 | 1/4 | 137,716 | 1/4 | 150,155 | 1/4 | 162,585 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 125,537 | 1/2 | 137,976 | 1/2 | 150,414 | 1/2 | 162,839 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 125,796 | 3/4 | 138,235 | 3/4 | 150,673 | 3/4 | 163,093 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 126,055 | 3 | 138,494 | 3 | 150,932 | 3 | 163,347 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 126,314 | 1/4 | 138,753 | 1/4 | 151,191 | 1/4 | 163,566 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 126,574 | 1/2 | 139,012 | 1/2 | 151,451 | 1/2 | 163,785 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 126,833 | 3/4 | 139,271 | 3/4 | 151,710 | 3/4 | 164,004 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 127,092 | 4 | 139,530 | 4 | 151,969 | 4 | 164,223 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 127,351 | 1/4 | 139,789 | 1/4 | 152,228 | 1/4 | 164,363 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 127,610 | 1/2 | 140,049 | 1/2 | 152,487 | 1/2 | 164,504 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 127,869 | 3/4 | 140,308 | 3/4 | 152,746 | 3/4 | 164,644 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 128,128 | 5 | 140,567 | 5 | 153,005 | 5 | 164,785 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 128,388 | 1/4 | 140,826 | 1/4 | 153,264 | 1/4 | 164,847 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 128,647 | 1/2 | 141,085 | 1/2 | 153,524 | 1/2 | 164,909 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 128,906 | 3/4 | 141,344 | 3/4 | 153,783 | 3/4 | 164,971 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 129,165 | 6 | 141,603 | 6 | 154,042 | 6 | 165,033 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 129,424 | 1/4 | 141,863 | 1/4 | 154,301 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,683 | 1/2 | 142,122 | 1/2 | 154,560 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,942 | 3/4 | 142,381 | 3/4 | 154,819 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 130,201 | 7 | 142,640 | 7 | 155,078 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 130,461 | 1/4 | 142,899 | 1/4 | 155,338 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 130,720 | 1/2 | 143,158 | 1/2 | 155,597 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 130,979 | 3/4 | 143,417 | 3/4 | 155,856 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 131,238 | 8 | 143,676 | 8 | 156,115 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 131,497 | 1/4 | 143,936 | 1/4 | 156,374 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 131,756 | 1/2 | 144,195 | 1/2 | 156,633 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 132,015 | 3/4 | 144,454 | 3/4 | 156,892 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 132,275 | 9 | 144,713 | 9 | 157,151 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 132,534 | 1/4 | 144,972 | 1/4 | 157,411 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 132,793 | 1/2 | 145,231 | 1/2 | 157,670 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 133,052 | 3/4 | 145,490 | 3/4 | 157,929 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 133,311 | 10 | 145,750 | 10 | 158,188 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 133,570 | 1/4 | 146,009 | 1/4 | 158,447 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 133,829 | 1/2 | 146,268 | 1/2 | 158,706 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 134,089 | 3/4 | 146,527 | 3/4 | 158,965 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 134,348 | 11 | 146,786 | 11 | 159,225 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 134,607 | 1/4 | 147,045 | 1/4 | 159,484 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 134,866 | 1/2 | 147,304 | 1/2 | 159,743 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 135,125 | 3/4 | 147,563 | 3/4 | 160,002 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2013 SW
CALCULATED: 09/27/2013 CL
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1940"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 91 | 0 | 11,176 | 0 | 23,529 | 0 | 35,871 | 0 | 48,218 | 0 | 60,572 | 0 | 72,925 | 0 | 85,279 | 0 | 97,633 | 0 | 109,986 |
| 1/4 | 166 | 1/4 | 11,433 | 1/4 | 23,786 | 1/4 | 36,128 | 1/4 | 48,476 | 1/4 | 60,829 | 1/4 | 73,183 | 1/4 | 85,536 | 1/4 | 97,890 | 1/4 | 110,244 |
| 1/2 | 241 | 1/2 | 11,690 | 1/2 | 24,044 | 1/2 | 36,384 | 1/2 | 48,733 | 1/2 | 61,086 | 1/2 | 73,440 | 1/2 | 85,794 | 1/2 | 98,147 | 1/2 | 110,501 |
| 3/4 | 316 | 3/4 | 11,948 | 3/4 | 24,301 | 3/4 | 36,641 | 3/4 | 48,990 | 3/4 | 61,344 | 3/4 | 73,697 | 3/4 | 86,051 | 3/4 | 98,405 | 3/4 | 110,758 |
| 1 | 391 | 1 | 12,205 | 1 | 24,558 | 1 | 36,898 | 1 | 49,248 | 1 | 61,601 | 1 | 73,955 | 1 | 86,308 | 1 | 98,662 | 1 | 111,016 |
| 1/4 | 552 | 1/4 | 12,462 | 1/4 | 24,816 | 1/4 | 37,155 | 1/4 | 49,505 | 1/4 | 61,859 | 1/4 | 74,212 | 1/4 | 86,566 | 1/4 | 98,919 | 1/4 | 111,273 |
| 1/2 | 712 | 1/2 | 12,720 | 1/2 | 25,073 | 1/2 | 37,412 | 1/2 | 49,762 | 1/2 | 62,116 | 1/2 | 74,470 | 1/2 | 86,823 | 1/2 | 99,177 | 1/2 | 111,530 |
| 3/4 | 873 | 3/4 | 12,977 | 3/4 | 25,330 | 3/4 | 37,669 | 3/4 | 50,020 | 3/4 | 62,373 | 3/4 | 74,727 | 3/4 | 87,081 | 3/4 | 99,434 | 3/4 | 111,788 |
| 2 | 1,034 | 2 | 13,234 | 2 | 25,588 | 2 | 37,926 | 2 | 50,277 | 2 | 62,631 | 2 | 74,984 | 2 | 87,338 | 2 | 99,692 | 2 | 112,045 |
| 1/4 | 1,262 | 1/4 | 13,492 | 1/4 | 25,845 | 1/4 | 38,183 | 1/4 | 50,534 | 1/4 | 62,888 | 1/4 | 75,242 | 1/4 | 87,595 | 1/4 | 99,949 | 1/4 | 112,303 |
| 1/2 | 1,490 | 1/2 | 13,749 | 1/2 | 26,102 | 1/2 | 38,440 | 1/2 | 50,792 | 1/2 | 63,145 | 1/2 | 75,499 | 1/2 | 87,853 | 1/2 | 100,206 | 1/2 | 112,560 |
| 3/4 | 1,719 | 3/4 | 14,007 | 3/4 | 26,360 | 3/4 | 38,697 | 3/4 | 51,049 | 3/4 | 63,403 | 3/4 | 75,756 | 3/4 | 88,110 | 3/4 | 100,464 | 3/4 | 112,817 |
| 3 | 1,947 | 3 | 14,264 | 3 | 26,617 | 3 | 38,954 | 3 | 51,307 | 3 | 63,660 | 3 | 76,014 | 3 | 88,367 | 3 | 100,721 | 3 | 113,075 |
| 1/4 | 2,200 | 1/4 | 14,521 | 1/4 | 26,874 | 1/4 | 39,211 | 1/4 | 51,564 | 1/4 | 63,918 | 1/4 | 76,271 | 1/4 | 88,625 | 1/4 | 100,978 | 1/4 | 113,332 |
| 1/2 | 2,453 | 1/2 | 14,779 | 1/2 | 27,132 | 1/2 | 39,468 | 1/2 | 51,821 | 1/2 | 64,175 | 1/2 | 76,529 | 1/2 | 88,882 | 1/2 | 101,236 | 1/2 | 113,589 |
| 3/4 | 2,706 | 3/4 | 15,036 | 3/4 | 27,389 | 3/4 | 39,725 | 3/4 | 52,079 | 3/4 | 64,432 | 3/4 | 76,786 | 3/4 | 89,139 | 3/4 | 101,493 | 3/4 | 113,847 |
| 4 | 2,959 | 4 | 15,293 | 4 | 27,647 | 4 | 39,982 | 4 | 52,336 | 4 | 64,690 | 4 | 77,043 | 4 | 89,397 | 4 | 101,750 | 4 | 114,104 |
| 1/4 | 3,214 | 1/4 | 15,551 | 1/4 | 27,904 | 1/4 | 40,240 | 1/4 | 52,593 | 1/4 | 64,947 | 1/4 | 77,301 | 1/4 | 89,654 | 1/4 | 102,008 | 1/4 | 114,361 |
| 1/2 | 3,468 | 1/2 | 15,808 | 1/2 | 28,161 | 1/2 | 40,497 | 1/2 | 52,851 | 1/2 | 65,204 | 1/2 | 77,558 | 1/2 | 89,912 | 1/2 | 102,265 | 1/2 | 114,619 |
| 3/4 | 3,723 | 3/4 | 16,065 | 3/4 | 28,419 | 3/4 | 40,755 | 3/4 | 53,108 | 3/4 | 65,462 | 3/4 | 77,815 | 3/4 | 90,169 | 3/4 | 102,523 | 3/4 | 114,876 |
| 5 | 3,978 | 5 | 16,323 | 5 | 28,676 | 5 | 41,012 | 5 | 53,365 | 5 | 65,719 | 5 | 78,073 | 5 | 90,426 | 5 | 102,780 | 5 | 115,134 |
| 1/4 | 4,234 | 1/4 | 16,580 | 1/4 | 28,933 | 1/4 | 41,269 | 1/4 | 53,623 | 1/4 | 65,976 | 1/4 | 78,330 | 1/4 | 90,684 | 1/4 | 103,037 | 1/4 | 115,391 |
| 1/2 | 4,490 | 1/2 | 16,838 | 1/2 | 29,190 | 1/2 | 41,527 | 1/2 | 53,880 | 1/2 | 66,234 | 1/2 | 78,587 | 1/2 | 90,941 | 1/2 | 103,295 | 1/2 | 115,648 |
| 3/4 | 4,746 | 3/4 | 17,095 | 3/4 | 29,448 | 3/4 | 41,784 | 3/4 | 54,138 | 3/4 | 66,491 | 3/4 | 78,845 | 3/4 | 91,198 | 3/4 | 103,552 | 3/4 | 115,906 |
| 6 | 5,002 | 6 | 17,352 | 6 | 29,705 | 6 | 42,041 | 6 | 54,395 | 6 | 66,749 | 6 | 79,102 | 6 | 91,456 | 6 | 103,809 | 6 | 116,163 |
| 1/4 | 5,259 | 1/4 | 17,610 | 1/4 | 29,962 | 1/4 | 42,299 | 1/4 | 54,652 | 1/4 | 67,006 | 1/4 | 79,360 | 1/4 | 91,713 | 1/4 | 104,067 | 1/4 | 116,420 |
| 1/2 | 5,516 | 1/2 | 17,867 | 1/2 | 30,219 | 1/2 | 42,556 | 1/2 | 54,910 | 1/2 | 67,263 | 1/2 | 79,617 | 1/2 | 91,971 | 1/2 | 104,324 | 1/2 | 116,678 |
| 3/4 | 5,773 | 3/4 | 18,124 | 3/4 | 30,475 | 3/4 | 42,813 | 3/4 | 55,167 | 3/4 | 67,521 | 3/4 | 79,874 | 3/4 | 92,228 | 3/4 | 104,581 | 3/4 | 116,935 |
| 7 | 6,029 | 7 | 18,382 | 7 | 30,732 | 7 | 43,071 | 7 | 55,424 | 7 | 67,778 | 7 | 80,132 | 7 | 92,485 | 7 | 104,839 | 7 | 117,192 |
| 1/4 | 6,287 | 1/4 | 18,639 | 1/4 | 30,989 | 1/4 | 43,328 | 1/4 | 55,682 | 1/4 | 68,035 | 1/4 | 80,389 | 1/4 | 92,743 | 1/4 | 105,096 | 1/4 | 117,450 |
| 1/2 | 6,544 | 1/2 | 18,896 | 1/2 | 31,246 | 1/2 | 43,586 | 1/2 | 55,939 | 1/2 | 68,293 | 1/2 | 80,646 | 1/2 | 93,000 | 1/2 | 105,354 | 1/2 | 117,707 |
| 3/4 | 6,801 | 3/4 | 19,154 | 3/4 | 31,503 | 3/4 | 43,843 | 3/4 | 56,197 | 3/4 | 68,550 | 3/4 | 80,904 | 3/4 | 93,257 | 3/4 | 105,611 | 3/4 | 117,965 |
| 8 | 7,058 | 8 | 19,411 | 8 | 31,760 | 8 | 44,100 | 8 | 56,454 | 8 | 68,807 | 8 | 81,161 | 8 | 93,515 | 8 | 105,868 | 8 | 118,222 |
| 1/4 | 7,315 | 1/4 | 19,668 | 1/4 | 32,017 | 1/4 | 44,358 | 1/4 | 56,711 | 1/4 | 69,065 | 1/4 | 81,418 | 1/4 | 93,772 | 1/4 | 106,126 | 1/4 | 118,479 |
| 1/2 | 7,573 | 1/2 | 19,926 | 1/2 | 32,274 | 1/2 | 44,615 | 1/2 | 56,969 | 1/2 | 69,322 | 1/2 | 81,676 | 1/2 | 94,029 | 1/2 | 106,383 | 1/2 | 118,737 |
| 3/4 | 7,830 | 3/4 | 20,183 | 3/4 | 32,531 | 3/4 | 44,872 | 3/4 | 57,226 | 3/4 | 69,580 | 3/4 | 81,933 | 3/4 | 94,287 | 3/4 | 106,640 | 3/4 | 118,994 |
| 9 | 8,087 | 9 | 20,441 | 9 | 32,788 | 9 | 45,130 | 9 | 57,483 | 9 | 69,837 | 9 | 82,191 | 9 | 94,544 | 9 | 106,898 | 9 | 119,251 |
| 1/4 | 8,345 | 1/4 | 20,698 | 1/4 | 33,045 | 1/4 | 45,387 | 1/4 | 57,741 | 1/4 | 70,094 | 1/4 | 82,448 | 1/4 | 94,802 | 1/4 | 107,155 | 1/4 | 119,509 |
| 1/2 | 8,602 | 1/2 | 20,955 | 1/2 | 33,302 | 1/2 | 45,644 | 1/2 | 57,998 | 1/2 | 70,352 | 1/2 | 82,705 | 1/2 | 95,059 | 1/2 | 107,413 | 1/2 | 119,766 |
| 3/4 | 8,859 | 3/4 | 21,213 | 3/4 | 33,558 | 3/4 | 45,902 | 3/4 | 58,255 | 3/4 | 70,609 | 3/4 | 82,963 | 3/4 | 95,316 | 3/4 | 107,670 | 3/4 | 120,024 |
| 10 | 9,117 | 10 | 21,470 | 10 | 33,815 | 10 | 46,159 | 10 | 58,513 | 10 | 70,866 | 10 | 83,220 | 10 | 95,574 | 10 | 107,927 | 10 | 120,281 |
| 1/4 | 9,374 | 1/4 | 21,727 | 1/4 | 34,072 | 1/4 | 46,417 | 1/4 | 58,770 | 1/4 | 71,124 | 1/4 | 83,477 | 1/4 | 95,831 | 1/4 | 108,185 | 1/4 | 120,538 |
| 1/2 | 9,631 | 1/2 | 21,985 | 1/2 | 34,329 | 1/2 | 46,674 | 1/2 | 59,028 | 1/2 | 71,381 | 1/2 | 83,735 | 1/2 | 96,088 | 1/2 | 108,442 | 1/2 | 120,796 |
| 3/4 | 9,889 | 3/4 | 22,242 | 3/4 | 34,586 | 3/4 | 46,931 | 3/4 | 59,285 | 3/4 | 71,639 | 3/4 | 83,992 | 3/4 | 96,346 | 3/4 | 108,699 | 3/4 | 121,053 |
| 11 | 10,146 | 11 | 22,499 | 11 | 34,843 | 11 | 47,189 | 11 | 59,542 | 11 | 71,896 | 11 | 84,250 | 11 | 96,603 | 11 | 108,957 | 11 | 121,310 |
| 1/4 | 10,404 | 1/4 | 22,757 | 1/4 | 35,100 | 1/4 | 47,446 | 1/4 | 59,800 | 1/4 | 72,153 | 1/4 | 84,507 | 1/4 | 96,860 | 1/4 | 109,214 | 1/4 | 121,568 |
| 1/2 | 10,661 | 1/2 | 23,014 | 1/2 | 35,357 | 1/2 | 47,703 | 1/2 | 60,057 | 1/2 | 72,411 | 1/2 | 84,764 | 1/2 | 97,118 | 1/2 | 109,471 | 1/2 | 121,825 |
| 3/4 | 10,918 | 3/4 | 23,271 | 3/4 | 35,614 | 3/4 | 47,961 | 3/4 | 60,314 | 3/4 | 72,668 | 3/4 | 85,022 | 3/4 | 97,375 | 3/4 | 109,729 | 3/4 | 122,082 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1940"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

| 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 | 122,340 | 0 | 134,693 | 0 | 147,047 | 0 | 159,401 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 122,597 | 1/4 | 134,951 | 1/4 | 147,304 | 1/4 | 159,658 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 122,855 | 1/2 | 135,208 | 1/2 | 147,562 | 1/2 | 159,915 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 123,112 | 3/4 | 135,466 | 3/4 | 147,819 | 3/4 | 160,172 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 123,369 | 1 | 135,723 | 1 | 148,076 | 1 | 160,430 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 123,627 | 1/4 | 135,980 | 1/4 | 148,334 | 1/4 | 160,686 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 123,884 | 1/2 | 136,238 | 1/2 | 148,591 | 1/2 | 160,943 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 124,141 | 3/4 | 136,495 | 3/4 | 148,849 | 3/4 | 161,200 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 124,399 | 2 | 136,752 | 2 | 149,106 | 2 | 161,457 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 124,656 | 1/4 | 137,010 | 1/4 | 149,363 | 1/4 | 161,709 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 124,913 | 1/2 | 137,267 | 1/2 | 149,621 | 1/2 | 161,961 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 125,171 | 3/4 | 137,524 | 3/4 | 149,878 | 3/4 | 162,213 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 125,428 | 3 | 137,782 | 3 | 150,135 | 3 | 162,465 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 125,686 | 1/4 | 138,039 | 1/4 | 150,393 | 1/4 | 162,683 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 125,943 | 1/2 | 138,297 | 1/2 | 150,650 | 1/2 | 162,900 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 126,200 | 3/4 | 138,554 | 3/4 | 150,908 | 3/4 | 163,118 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 126,458 | 4 | 138,811 | 4 | 151,165 | 4 | 163,336 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 126,715 | 1/4 | 139,069 | 1/4 | 151,422 | 1/4 | 163,475 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 126,972 | 1/2 | 139,326 | 1/2 | 151,680 | 1/2 | 163,614 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 127,230 | 3/4 | 139,583 | 3/4 | 151,937 | 3/4 | 163,754 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 127,487 | 5 | 139,841 | 5 | 152,194 | 5 | 163,893 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 127,745 | 1/4 | 140,098 | 1/4 | 152,452 | 1/4 | 163,955 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 128,002 | 1/2 | 140,355 | 1/2 | 152,709 | 1/2 | 164,017 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 128,259 | 3/4 | 140,613 | 3/4 | 152,966 | 3/4 | 164,078 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 128,517 | 6 | 140,870 | 6 | 153,224 | 6 | 164,140 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 128,774 | 1/4 | 141,128 | 1/4 | 153,481 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,031 | 1/2 | 141,385 | 1/2 | 153,739 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,289 | 3/4 | 141,642 | 3/4 | 153,996 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 129,546 | 7 | 141,900 | 7 | 154,253 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 129,803 | 1/4 | 142,157 | 1/4 | 154,511 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 130,061 | 1/2 | 142,414 | 1/2 | 154,768 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 130,318 | 3/4 | 142,672 | 3/4 | 155,025 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 130,576 | 8 | 142,929 | 8 | 155,283 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 130,833 | 1/4 | 143,187 | 1/4 | 155,540 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 131,090 | 1/2 | 143,444 | 1/2 | 155,798 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 131,348 | 3/4 | 143,701 | 3/4 | 156,055 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 131,605 | 9 | 143,959 | 9 | 156,312 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 131,862 | 1/4 | 144,216 | 1/4 | 156,570 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 132,120 | 1/2 | 144,473 | 1/2 | 156,827 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 132,377 | 3/4 | 144,731 | 3/4 | 157,084 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 132,634 | 10 | 144,988 | 10 | 157,342 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 132,892 | 1/4 | 145,245 | 1/4 | 157,599 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 133,149 | 1/2 | 145,503 | 1/2 | 157,856 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 133,407 | 3/4 | 145,760 | 3/4 | 158,114 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 133,664 | 11 | 146,018 | 11 | 158,371 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 133,921 | 1/4 | 146,275 | 1/4 | 158,629 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 134,179 | 1/2 | 146,532 | 1/2 | 158,886 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 134,436 | 3/4 | 146,790 | 3/4 | 159,143 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2013 SW
CALCULATED: 09/27/2013 CL
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
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