



BARGE "IB 1200"

ULLAGE 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 | 00-1/8 | - 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 |
| 2 CENTER | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 | - 00-7/8 | 00-7/8 |
| 3 CENTER | - 00-1/8 | 00-1/8 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-7/8 | 00-7/8 | - 01-0/8 | 01-0/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

December 14, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1200"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|
| 0 | | 0 | 155,785 | 0 | 147,343 | 0 | 137,440 | 0 | 127,536 | 0 | 117,068 | 0 | 105,488 | 0 | 93,915 | 0 | 82,342 | 0 | 70,770 |
| 1/4 | | 1/4 | 155,780 | 1/4 | 147,137 | 1/4 | 137,233 | 1/4 | 127,330 | 1/4 | 116,827 | 1/4 | 105,246 | 1/4 | 93,674 | 1/4 | 82,101 | 1/4 | 70,528 |
| 1/2 | | 1/2 | 155,775 | 1/2 | 146,930 | 1/2 | 137,027 | 1/2 | 127,124 | 1/2 | 116,585 | 1/2 | 105,005 | 1/2 | 93,433 | 1/2 | 81,860 | 1/2 | 70,287 |
| 3/4 | | 3/4 | 155,770 | 3/4 | 146,724 | 3/4 | 136,821 | 3/4 | 126,917 | 3/4 | 116,344 | 3/4 | 104,764 | 3/4 | 93,192 | 3/4 | 81,619 | 3/4 | 70,046 |
| 1 | | 1 | 155,765 | 1 | 146,518 | 1 | 136,614 | 1 | 126,711 | 1 | 116,102 | 1 | 104,523 | 1 | 92,951 | 1 | 81,378 | 1 | 69,805 |
| 1/4 | | 1/4 | 155,680 | 1/4 | 146,311 | 1/4 | 136,408 | 1/4 | 126,505 | 1/4 | 115,860 | 1/4 | 104,282 | 1/4 | 92,709 | 1/4 | 81,137 | 1/4 | 69,564 |
| 1/2 | | 1/2 | 155,594 | 1/2 | 146,105 | 1/2 | 136,202 | 1/2 | 126,298 | 1/2 | 115,619 | 1/2 | 104,041 | 1/2 | 92,468 | 1/2 | 80,896 | 1/2 | 69,323 |
| 3/4 | | 3/4 | 155,509 | 3/4 | 145,899 | 3/4 | 135,995 | 3/4 | 126,092 | 3/4 | 115,377 | 3/4 | 103,800 | 3/4 | 92,227 | 3/4 | 80,655 | 3/4 | 69,082 |
| 2 | | 2 | 155,423 | 2 | 145,692 | 2 | 135,789 | 2 | 125,886 | 2 | 115,136 | 2 | 103,559 | 2 | 91,986 | 2 | 80,414 | 2 | 68,841 |
| 1/4 | | 1/4 | 155,257 | 1/4 | 145,486 | 1/4 | 135,583 | 1/4 | 125,679 | 1/4 | 114,894 | 1/4 | 103,318 | 1/4 | 91,745 | 1/4 | 80,173 | 1/4 | 68,600 |
| 1/2 | | 1/2 | 155,091 | 1/2 | 145,280 | 1/2 | 135,376 | 1/2 | 125,473 | 1/2 | 114,652 | 1/2 | 103,077 | 1/2 | 91,504 | 1/2 | 79,931 | 1/2 | 68,358 |
| 3/4 | | 3/4 | 154,925 | 3/4 | 145,073 | 3/4 | 135,170 | 3/4 | 125,267 | 3/4 | 114,411 | 3/4 | 102,835 | 3/4 | 91,263 | 3/4 | 79,690 | 3/4 | 68,117 |
| 3 | | 3 | 154,759 | 3 | 144,867 | 3 | 134,964 | 3 | 125,060 | 3 | 114,169 | 3 | 102,594 | 3 | 91,022 | 3 | 79,449 | 3 | 67,876 |
| 1/4 | | 1/4 | 154,555 | 1/4 | 144,661 | 1/4 | 134,757 | 1/4 | 124,854 | 1/4 | 113,928 | 1/4 | 102,353 | 1/4 | 90,781 | 1/4 | 79,208 | 1/4 | 67,635 |
| 1/2 | | 1/2 | 154,351 | 1/2 | 144,454 | 1/2 | 134,551 | 1/2 | 124,648 | 1/2 | 113,686 | 1/2 | 102,112 | 1/2 | 90,540 | 1/2 | 78,967 | 1/2 | 67,394 |
| 3/4 | | 3/4 | 154,147 | 3/4 | 144,248 | 3/4 | 134,345 | 3/4 | 124,442 | 3/4 | 113,444 | 3/4 | 101,871 | 3/4 | 90,299 | 3/4 | 78,726 | 3/4 | 67,153 |
| 4 | | 4 | 153,942 | 4 | 144,042 | 4 | 134,138 | 4 | 124,235 | 4 | 113,203 | 4 | 101,630 | 4 | 90,058 | 4 | 78,485 | 4 | 66,912 |
| 1/4 | | 1/4 | 153,737 | 1/4 | 143,835 | 1/4 | 133,932 | 1/4 | 124,029 | 1/4 | 112,962 | 1/4 | 101,389 | 1/4 | 89,817 | 1/4 | 78,244 | 1/4 | 66,671 |
| 1/2 | | 1/2 | 153,531 | 1/2 | 143,629 | 1/2 | 133,726 | 1/2 | 123,823 | 1/2 | 112,721 | 1/2 | 101,148 | 1/2 | 89,575 | 1/2 | 78,003 | 1/2 | 66,430 |
| 3/4 | | 3/4 | 153,325 | 3/4 | 143,423 | 3/4 | 133,520 | 3/4 | 123,616 | 3/4 | 112,480 | 3/4 | 100,907 | 3/4 | 89,334 | 3/4 | 77,762 | 3/4 | 66,189 |
| 5 | | 5 | 153,119 | 5 | 143,217 | 5 | 133,313 | 5 | 123,410 | 5 | 112,238 | 5 | 100,665 | 5 | 89,093 | 5 | 77,520 | 5 | 65,947 |
| 1/4 | | 1/4 | 152,913 | 1/4 | 143,010 | 1/4 | 133,107 | 1/4 | 123,204 | 1/4 | 111,997 | 1/4 | 100,424 | 1/4 | 88,852 | 1/4 | 77,279 | 1/4 | 65,707 |
| 1/2 | | 1/2 | 152,707 | 1/2 | 142,804 | 1/2 | 132,901 | 1/2 | 122,997 | 1/2 | 111,756 | 1/2 | 100,183 | 1/2 | 88,611 | 1/2 | 77,038 | 1/2 | 65,466 |
| 3/4 | | 3/4 | 152,501 | 3/4 | 142,598 | 3/4 | 132,694 | 3/4 | 122,791 | 3/4 | 111,515 | 3/4 | 99,942 | 3/4 | 88,370 | 3/4 | 76,797 | 3/4 | 65,226 |
| 6 | | 6 | 152,295 | 6 | 142,391 | 6 | 132,488 | 6 | 122,585 | 6 | 111,274 | 6 | 99,701 | 6 | 88,129 | 6 | 76,556 | 6 | 64,985 |
| 1/4 | | 1/4 | 152,088 | 1/4 | 142,185 | 1/4 | 132,282 | 1/4 | 122,378 | 1/4 | 111,033 | 1/4 | 99,460 | 1/4 | 87,888 | 1/4 | 76,315 | 1/4 | 64,745 |
| 1/2 | | 1/2 | 151,882 | 1/2 | 141,979 | 1/2 | 132,075 | 1/2 | 122,172 | 1/2 | 110,792 | 1/2 | 99,219 | 1/2 | 87,647 | 1/2 | 76,074 | 1/2 | 64,504 |
| 3/4 | | 3/4 | 151,676 | 3/4 | 141,772 | 3/4 | 131,869 | 3/4 | 121,966 | 3/4 | 110,551 | 3/4 | 98,978 | 3/4 | 87,406 | 3/4 | 75,833 | 3/4 | 64,264 |
| 7 | | 7 | 151,469 | 7 | 141,566 | 7 | 131,663 | 7 | 121,759 | 7 | 110,310 | 7 | 98,737 | 7 | 87,165 | 7 | 75,592 | 7 | 64,023 |
| 1/4 | | 1/4 | 151,263 | 1/4 | 141,360 | 1/4 | 131,456 | 1/4 | 121,553 | 1/4 | 110,069 | 1/4 | 98,496 | 1/4 | 86,923 | 1/4 | 75,350 | 1/4 | 63,783 |
| 1/2 | | 1/2 | 151,057 | 1/2 | 141,153 | 1/2 | 131,250 | 1/2 | 121,347 | 1/2 | 109,827 | 1/2 | 98,254 | 1/2 | 86,682 | 1/2 | 75,109 | 1/2 | 63,542 |
| 3/4 | | 3/4 | 150,850 | 3/4 | 140,947 | 3/4 | 131,044 | 3/4 | 121,140 | 3/4 | 109,586 | 3/4 | 98,013 | 3/4 | 86,441 | 3/4 | 74,868 | 3/4 | 63,302 |
| 8 | | 8 | 150,644 | 8 | 140,741 | 8 | 130,837 | 8 | 120,934 | 8 | 109,345 | 8 | 97,772 | 8 | 86,200 | 8 | 74,627 | 8 | 63,061 |
| 1/4 | | 1/4 | 150,438 | 1/4 | 140,534 | 1/4 | 130,631 | 1/4 | 120,728 | 1/4 | 109,104 | 1/4 | 97,531 | 1/4 | 85,959 | 1/4 | 74,386 | 1/4 | 62,821 |
| 1/2 | | 1/2 | 150,231 | 1/2 | 140,328 | 1/2 | 130,425 | 1/2 | 120,521 | 1/2 | 108,863 | 1/2 | 97,290 | 1/2 | 85,718 | 1/2 | 74,145 | 1/2 | 62,580 |
| 3/4 | | 3/4 | 150,025 | 3/4 | 140,122 | 3/4 | 130,218 | 3/4 | 120,314 | 3/4 | 108,622 | 3/4 | 97,049 | 3/4 | 85,477 | 3/4 | 73,904 | 3/4 | 62,340 |
| 9 | | 9 | 149,819 | 9 | 139,915 | 9 | 130,012 | 9 | 119,968 | 9 | 108,381 | 9 | 96,808 | 9 | 85,236 | 9 | 73,663 | 9 | 62,099 |
| 1/4 | | 1/4 | 149,612 | 1/4 | 139,709 | 1/4 | 129,806 | 1/4 | 119,726 | 1/4 | 108,140 | 1/4 | 96,567 | 1/4 | 84,995 | 1/4 | 73,422 | 1/4 | 61,859 |
| 1/2 | | 1/2 | 149,406 | 1/2 | 139,503 | 1/2 | 129,599 | 1/2 | 119,485 | 1/2 | 107,899 | 1/2 | 96,326 | 1/2 | 84,754 | 1/2 | 73,181 | 1/2 | 61,618 |
| 3/4 | | 3/4 | 149,200 | 3/4 | 139,296 | 3/4 | 129,393 | 3/4 | 119,243 | 3/4 | 107,658 | 3/4 | 96,085 | 3/4 | 84,512 | 3/4 | 72,939 | 3/4 | 61,378 |
| 10 | | 10 | 148,993 | 10 | 139,090 | 10 | 129,187 | 10 | 119,001 | 10 | 107,416 | 10 | 95,843 | 10 | 84,271 | 10 | 72,698 | 10 | 61,137 |
| 1/4 | | 1/4 | 148,787 | 1/4 | 138,884 | 1/4 | 128,981 | 1/4 | 118,760 | 1/4 | 107,175 | 1/4 | 95,602 | 1/4 | 84,030 | 1/4 | 72,457 | 1/4 | 60,897 |
| 1/2 | | 1/2 | 148,581 | 1/2 | 138,677 | 1/2 | 128,774 | 1/2 | 118,518 | 1/2 | 106,934 | 1/2 | 95,361 | 1/2 | 83,789 | 1/2 | 72,216 | 1/2 | 60,656 |
| 3/4 | | 3/4 | 148,374 | 3/4 | 138,471 | 3/4 | 128,568 | 3/4 | 118,276 | 3/4 | 106,693 | 3/4 | 95,120 | 3/4 | 83,548 | 3/4 | 71,975 | 3/4 | 60,416 |
| 11 | | 11 | 148,168 | 11 | 138,265 | 11 | 128,362 | 11 | 118,035 | 11 | 106,452 | 11 | 94,879 | 11 | 83,307 | 11 | 71,734 | 11 | 60,175 |
| 1/4 | | 1/4 | 147,962 | 1/4 | 138,059 | 1/4 | 128,155 | 1/4 | 117,793 | 1/4 | 106,211 | 1/4 | 94,638 | 1/4 | 83,066 | 1/4 | 71,493 | 1/4 | 59,935 |
| 1/2 | | 1/2 | 147,756 | 1/2 | 137,852 | 1/2 | 127,949 | 1/2 | 117,552 | 1/2 | 105,970 | 1/2 | 94,397 | 1/2 | 82,825 | 1/2 | 71,252 | 1/2 | 59,694 |
| 3/4 | | 3/4 | 147,549 | 3/4 | 137,646 | 3/4 | 127,743 | 3/4 | 117,310 | 3/4 | 105,729 | 3/4 | 94,156 | 3/4 | 82,584 | 3/4 | 71,011 | 3/4 | 59,454 |

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

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BARGE "IB 1200"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

| 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 | 59,213 | 0 | 47,652 | 0 | 36,110 | 0 | 24,766 | 0 | 13,193 | 0 | 1,619 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 58,973 | 1/4 | 47,411 | 1/4 | 35,875 | 1/4 | 24,525 | 1/4 | 12,952 | 1/4 | 1,418 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 58,732 | 1/2 | 47,170 | 1/2 | 35,641 | 1/2 | 24,284 | 1/2 | 12,711 | 1/2 | 1,216 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 58,492 | 3/4 | 46,929 | 3/4 | 35,406 | 3/4 | 24,043 | 3/4 | 12,470 | 3/4 | 1,015 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 58,251 | 1 | 46,688 | 1 | 35,171 | 1 | 23,802 | 1 | 12,229 | 1 | 814 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 58,011 | 1/4 | 46,447 | 1/4 | 34,936 | 1/4 | 23,561 | 1/4 | 11,987 | 1/4 | 693 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 57,770 | 1/2 | 46,206 | 1/2 | 34,702 | 1/2 | 23,320 | 1/2 | 11,746 | 1/2 | 572 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 57,530 | 3/4 | 45,965 | 3/4 | 34,467 | 3/4 | 23,079 | 3/4 | 11,505 | 3/4 | 451 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 57,289 | 2 | 45,724 | 2 | 34,232 | 2 | 22,838 | 2 | 11,264 | 2 | 331 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 57,049 | 1/4 | 45,483 | 1/4 | 33,998 | 1/4 | 22,596 | 1/4 | 11,023 | 1/4 | 290 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 56,808 | 1/2 | 45,242 | 1/2 | 33,763 | 1/2 | 22,355 | 1/2 | 10,782 | 1/2 | 250 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 56,568 | 3/4 | 45,001 | 3/4 | 33,528 | 3/4 | 22,114 | 3/4 | 10,541 | 3/4 | 210 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 56,327 | 3 | 44,761 | 3 | 33,293 | 3 | 21,873 | 3 | 10,300 | 3 | 170 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 56,086 | 1/4 | 44,520 | 1/4 | 33,059 | 1/4 | 21,632 | 1/4 | 10,058 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 55,845 | 1/2 | 44,279 | 1/2 | 32,824 | 1/2 | 21,391 | 1/2 | 9,817 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 55,604 | 3/4 | 44,038 | 3/4 | 32,589 | 3/4 | 21,150 | 3/4 | 9,576 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 55,363 | 4 | 43,797 | 4 | 32,354 | 4 | 20,909 | 4 | 9,335 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 55,122 | 1/4 | 43,556 | 1/4 | 32,120 | 1/4 | 20,667 | 1/4 | 9,094 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 54,881 | 1/2 | 43,315 | 1/2 | 31,885 | 1/2 | 20,426 | 1/2 | 8,852 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 54,640 | 3/4 | 43,074 | 3/4 | 31,650 | 3/4 | 20,185 | 3/4 | 8,611 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 54,400 | 5 | 42,833 | 5 | 31,415 | 5 | 19,944 | 5 | 8,370 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 54,159 | 1/4 | 42,592 | 1/4 | 31,181 | 1/4 | 19,703 | 1/4 | 8,128 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 53,918 | 1/2 | 42,351 | 1/2 | 30,946 | 1/2 | 19,462 | 1/2 | 7,887 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 53,677 | 3/4 | 42,110 | 3/4 | 30,711 | 3/4 | 19,221 | 3/4 | 7,645 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 53,436 | 6 | 41,869 | 6 | 30,477 | 6 | 18,980 | 6 | 7,404 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 53,195 | 1/4 | 41,628 | 1/4 | 30,242 | 1/4 | 18,739 | 1/4 | 7,163 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 52,954 | 1/2 | 41,387 | 1/2 | 30,007 | 1/2 | 18,497 | 1/2 | 6,922 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 52,713 | 3/4 | 41,146 | 3/4 | 29,772 | 3/4 | 18,256 | 3/4 | 6,680 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 52,472 | 7 | 40,905 | 7 | 29,538 | 7 | 18,015 | 7 | 6,439 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 52,231 | 1/4 | 40,664 | 1/4 | 29,303 | 1/4 | 17,774 | 1/4 | 6,198 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 51,990 | 1/2 | 40,423 | 1/2 | 29,068 | 1/2 | 17,533 | 1/2 | 5,956 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 51,749 | 3/4 | 40,182 | 3/4 | 28,833 | 3/4 | 17,292 | 3/4 | 5,715 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 51,508 | 8 | 39,941 | 8 | 28,599 | 8 | 17,051 | 8 | 5,474 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 51,267 | 1/4 | 39,700 | 1/4 | 28,364 | 1/4 | 16,810 | 1/4 | 5,232 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 51,026 | 1/2 | 39,459 | 1/2 | 28,129 | 1/2 | 16,569 | 1/2 | 4,990 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 50,785 | 3/4 | 39,218 | 3/4 | 27,894 | 3/4 | 16,327 | 3/4 | 4,749 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 50,544 | 9 | 38,977 | 9 | 27,660 | 9 | 16,086 | 9 | 4,507 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 50,303 | 1/4 | 38,736 | 1/4 | 27,419 | 1/4 | 15,845 | 1/4 | 4,266 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 50,062 | 1/2 | 38,495 | 1/2 | 27,178 | 1/2 | 15,604 | 1/2 | 4,024 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 49,821 | 3/4 | 38,254 | 3/4 | 26,936 | 3/4 | 15,363 | 3/4 | 3,782 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 49,580 | 10 | 38,013 | 10 | 26,695 | 10 | 15,122 | 10 | 3,541 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 49,339 | 1/4 | 37,772 | 1/4 | 26,454 | 1/4 | 14,881 | 1/4 | 3,300 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 49,098 | 1/2 | 37,531 | 1/2 | 26,213 | 1/2 | 14,640 | 1/2 | 3,059 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 48,857 | 3/4 | 37,290 | 3/4 | 25,972 | 3/4 | 14,399 | 3/4 | 2,818 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 48,616 | 11 | 37,049 | 11 | 25,731 | 11 | 14,157 | 11 | 2,577 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 48,375 | 1/4 | 36,815 | 1/4 | 25,490 | 1/4 | 13,916 | 1/4 | 2,337 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 48,134 | 1/2 | 36,580 | 1/2 | 25,249 | 1/2 | 13,675 | 1/2 | 2,098 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 47,893 | 3/4 | 36,345 | 3/4 | 25,008 | 3/4 | 13,434 | 3/4 | 1,858 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

STRAPPED: 12/14/2017 SW
CALCULATED: 12/14/2017 CL
PRINTED: 12/15/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1200"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | | 0 | 142,996 | 0 | 133,874 | 0 | 123,640 | 0 | 113,405 | 0 | 103,171 | 0 | 92,937 | 0 | 82,703 | 0 | 72,468 | 0 | 62,234 | | |
| 1/4 | | 1/4 | 142,961 | 1/4 | 133,661 | 1/4 | 123,426 | 1/4 | 113,192 | 1/4 | 102,958 | 1/4 | 92,724 | 1/4 | 82,489 | 1/4 | 72,255 | 1/4 | 62,021 | | |
| 1/2 | | 1/2 | 142,925 | 1/2 | 133,448 | 1/2 | 123,213 | 1/2 | 112,979 | 1/2 | 102,745 | 1/2 | 92,511 | 1/2 | 82,276 | 1/2 | 72,042 | 1/2 | 61,808 | | |
| 3/4 | | 3/4 | 142,890 | 3/4 | 133,234 | 3/4 | 123,000 | 3/4 | 112,766 | 3/4 | 102,532 | 3/4 | 92,297 | 3/4 | 82,063 | 3/4 | 71,829 | 3/4 | 61,595 | | |
| 1 | | 1 | 142,783 | 1 | 133,021 | 1 | 122,787 | 1 | 112,553 | 1 | 102,318 | 1 | 92,084 | 1 | 81,850 | 1 | 71,616 | 1 | 61,381 | | |
| 1/4 | | 1/4 | 142,677 | 1/4 | 132,808 | 1/4 | 122,574 | 1/4 | 112,339 | 1/4 | 102,105 | 1/4 | 91,871 | 1/4 | 81,637 | 1/4 | 71,402 | 1/4 | 61,168 | | |
| 1/2 | | 1/2 | 142,570 | 1/2 | 132,595 | 1/2 | 122,360 | 1/2 | 112,126 | 1/2 | 101,892 | 1/2 | 91,658 | 1/2 | 81,423 | 1/2 | 71,189 | 1/2 | 60,955 | | |
| 3/4 | | 3/4 | 142,463 | 3/4 | 132,381 | 3/4 | 122,147 | 3/4 | 111,913 | 3/4 | 101,679 | 3/4 | 91,444 | 3/4 | 81,210 | 3/4 | 70,976 | 3/4 | 60,742 | | |
| 2 | | 2 | 142,286 | 2 | 132,168 | 2 | 121,934 | 2 | 111,700 | 2 | 101,465 | 2 | 91,231 | 2 | 80,997 | 2 | 70,763 | 2 | 60,528 | | |
| 1/4 | | 1/4 | 142,108 | 1/4 | 131,955 | 1/4 | 121,721 | 1/4 | 111,487 | 1/4 | 101,252 | 1/4 | 91,018 | 1/4 | 80,784 | 1/4 | 70,549 | 1/4 | 60,315 | | |
| 1/2 | | 1/2 | 141,931 | 1/2 | 131,742 | 1/2 | 121,508 | 1/2 | 111,273 | 1/2 | 101,039 | 1/2 | 90,805 | 1/2 | 80,571 | 1/2 | 70,336 | 1/2 | 60,102 | | |
| 3/4 | | 3/4 | 141,753 | 3/4 | 131,529 | 3/4 | 121,294 | 3/4 | 111,060 | 3/4 | 100,826 | 3/4 | 90,592 | 3/4 | 80,357 | 3/4 | 70,123 | 3/4 | 59,889 | | |
| 3 | | 3 | 141,542 | 3 | 131,315 | 3 | 121,081 | 3 | 110,847 | 3 | 100,613 | 3 | 90,378 | 3 | 80,144 | 3 | 69,910 | 3 | 59,676 | | |
| 1/4 | | 1/4 | 141,330 | 1/4 | 131,102 | 1/4 | 120,868 | 1/4 | 110,634 | 1/4 | 100,399 | 1/4 | 90,165 | 1/4 | 79,931 | 1/4 | 69,697 | 1/4 | 59,462 | | |
| 1/2 | | 1/2 | 141,119 | 1/2 | 130,889 | 1/2 | 120,655 | 1/2 | 110,420 | 1/2 | 100,186 | 1/2 | 89,952 | 1/2 | 79,718 | 1/2 | 69,483 | 1/2 | 59,249 | | |
| 3/4 | | 3/4 | 140,908 | 3/4 | 130,676 | 3/4 | 120,441 | 3/4 | 110,207 | 3/4 | 99,973 | 3/4 | 89,739 | 3/4 | 79,504 | 3/4 | 69,270 | 3/4 | 59,036 | | |
| 4 | | 4 | 140,695 | 4 | 130,463 | 4 | 120,228 | 4 | 109,994 | 4 | 99,760 | 4 | 89,526 | 4 | 79,291 | 4 | 69,057 | 4 | 58,823 | | |
| 1/4 | | 1/4 | 140,482 | 1/4 | 130,249 | 1/4 | 120,015 | 1/4 | 109,781 | 1/4 | 99,547 | 1/4 | 89,312 | 1/4 | 79,078 | 1/4 | 68,844 | 1/4 | 58,610 | | |
| 1/2 | | 1/2 | 140,270 | 1/2 | 130,036 | 1/2 | 119,802 | 1/2 | 109,568 | 1/2 | 99,333 | 1/2 | 89,099 | 1/2 | 78,865 | 1/2 | 68,631 | 1/2 | 58,396 | | |
| 3/4 | | 3/4 | 140,057 | 3/4 | 129,823 | 3/4 | 119,589 | 3/4 | 109,354 | 3/4 | 99,120 | 3/4 | 88,886 | 3/4 | 78,652 | 3/4 | 68,417 | 3/4 | 58,183 | | |
| 5 | | 5 | 139,844 | 5 | 129,610 | 5 | 119,375 | 5 | 109,141 | 5 | 98,907 | 5 | 88,673 | 5 | 78,438 | 5 | 68,204 | 5 | 57,970 | | |
| 1/4 | | 1/4 | 139,631 | 1/4 | 129,396 | 1/4 | 119,162 | 1/4 | 108,928 | 1/4 | 98,694 | 1/4 | 88,459 | 1/4 | 78,225 | 1/4 | 67,991 | 1/4 | 57,757 | | |
| 1/2 | | 1/2 | 139,417 | 1/2 | 129,183 | 1/2 | 118,949 | 1/2 | 108,715 | 1/2 | 98,480 | 1/2 | 88,246 | 1/2 | 78,012 | 1/2 | 67,778 | 1/2 | 57,543 | | |
| 3/4 | | 3/4 | 139,204 | 3/4 | 128,970 | 3/4 | 118,736 | 3/4 | 108,502 | 3/4 | 98,267 | 3/4 | 88,033 | 3/4 | 77,799 | 3/4 | 67,564 | 3/4 | 57,330 | | |
| 6 | | 6 | 138,991 | 6 | 128,757 | 6 | 118,523 | 6 | 108,288 | 6 | 98,054 | 6 | 87,820 | 6 | 77,586 | 6 | 67,351 | 6 | 57,117 | | |
| 1/4 | | 1/4 | 138,778 | 1/4 | 128,544 | 1/4 | 118,309 | 1/4 | 108,075 | 1/4 | 97,841 | 1/4 | 87,607 | 1/4 | 77,372 | 1/4 | 67,138 | 1/4 | 56,904 | | |
| 1/2 | | 1/2 | 138,565 | 1/2 | 128,330 | 1/2 | 118,096 | 1/2 | 107,862 | 1/2 | 97,628 | 1/2 | 87,393 | 1/2 | 77,159 | 1/2 | 66,925 | 1/2 | 56,691 | | |
| 3/4 | | 3/4 | 138,351 | 3/4 | 128,117 | 3/4 | 117,883 | 3/4 | 107,649 | 3/4 | 97,414 | 3/4 | 87,180 | 3/4 | 76,946 | 3/4 | 66,712 | 3/4 | 56,477 | | |
| 7 | | 7 | 138,138 | 7 | 127,904 | 7 | 117,670 | 7 | 107,435 | 7 | 97,201 | 7 | 86,967 | 7 | 76,733 | 7 | 66,498 | 7 | 56,264 | | |
| 1/4 | | 1/4 | 137,925 | 1/4 | 127,691 | 1/4 | 117,457 | 1/4 | 107,222 | 1/4 | 96,988 | 1/4 | 86,754 | 1/4 | 76,519 | 1/4 | 66,285 | 1/4 | 56,051 | | |
| 1/2 | | 1/2 | 137,712 | 1/2 | 127,478 | 1/2 | 117,243 | 1/2 | 107,009 | 1/2 | 96,775 | 1/2 | 86,541 | 1/2 | 76,306 | 1/2 | 66,072 | 1/2 | 55,838 | | |
| 3/4 | | 3/4 | 137,499 | 3/4 | 127,264 | 3/4 | 117,030 | 3/4 | 106,796 | 3/4 | 96,562 | 3/4 | 86,327 | 3/4 | 76,093 | 3/4 | 65,859 | 3/4 | 55,625 | | |
| 8 | | 8 | 137,285 | 8 | 127,051 | 8 | 116,817 | 8 | 106,583 | 8 | 96,348 | 8 | 86,114 | 8 | 75,880 | 8 | 65,646 | 8 | 55,411 | | |
| 1/4 | | 1/4 | 137,072 | 1/4 | 126,838 | 1/4 | 116,604 | 1/4 | 106,369 | 1/4 | 96,135 | 1/4 | 85,901 | 1/4 | 75,667 | 1/4 | 65,432 | 1/4 | 55,198 | | |
| 1/2 | | 1/2 | 136,859 | 1/2 | 126,625 | 1/2 | 116,390 | 1/2 | 106,156 | 1/2 | 95,922 | 1/2 | 85,688 | 1/2 | 75,453 | 1/2 | 65,219 | 1/2 | 54,985 | | |
| 3/4 | | 3/4 | 136,646 | 3/4 | 126,411 | 3/4 | 116,177 | 3/4 | 105,943 | 3/4 | 95,709 | 3/4 | 85,474 | 3/4 | 75,240 | 3/4 | 65,006 | 3/4 | 54,772 | | |
| 9 | | 9 | 136,433 | 9 | 126,198 | 9 | 115,964 | 9 | 105,730 | 9 | 95,495 | 9 | 85,261 | 9 | 75,027 | 9 | 64,793 | 9 | 54,558 | | |
| 1/4 | | 1/4 | 136,219 | 1/4 | 125,985 | 1/4 | 115,751 | 1/4 | 105,517 | 1/4 | 95,282 | 1/4 | 85,048 | 1/4 | 74,814 | 1/4 | 64,580 | 1/4 | 54,345 | | |
| 1/2 | | 1/2 | 136,006 | 1/2 | 125,772 | 1/2 | 115,538 | 1/2 | 105,303 | 1/2 | 95,069 | 1/2 | 84,835 | 1/2 | 74,601 | 1/2 | 64,366 | 1/2 | 54,132 | | |
| 3/4 | | 3/4 | 135,793 | 3/4 | 125,559 | 3/4 | 115,324 | 3/4 | 105,090 | 3/4 | 94,856 | 3/4 | 84,622 | 3/4 | 74,387 | 3/4 | 64,153 | 3/4 | 53,919 | | |
| 10 | | 10 | 135,580 | 10 | 125,345 | 10 | 115,111 | 10 | 104,877 | 10 | 94,643 | 10 | 84,408 | 10 | 74,174 | 10 | 63,940 | 10 | 53,706 | | |
| 1/4 | | 1/4 | 135,366 | 1/4 | 125,132 | 1/4 | 114,898 | 1/4 | 104,664 | 1/4 | 94,429 | 1/4 | 84,195 | 1/4 | 73,961 | 1/4 | 63,727 | 1/4 | 53,492 | | |
| 1/2 | | 1/2 | 135,153 | 1/2 | 124,919 | 1/2 | 114,685 | 1/2 | 104,450 | 1/2 | 94,216 | 1/2 | 83,982 | 1/2 | 73,748 | 1/2 | 63,513 | 1/2 | 53,279 | | |
| 3/4 | | 3/4 | 134,940 | 3/4 | 124,706 | 3/4 | 114,472 | 3/4 | 104,237 | 3/4 | 94,003 | 3/4 | 83,769 | 3/4 | 73,534 | 3/4 | 63,300 | 3/4 | 53,066 | | |
| 11 | | 11 | 134,727 | 11 | 124,493 | 11 | 114,258 | 11 | 104,024 | 11 | 93,790 | 11 | 83,556 | 11 | 73,321 | 11 | 63,087 | 11 | 52,853 | | |
| 1/4 | | 1/4 | 134,514 | 1/4 | 124,279 | 1/4 | 114,045 | 1/4 | 103,811 | 1/4 | 93,577 | 1/4 | 83,342 | 1/4 | 73,108 | 1/4 | 62,874 | 1/4 | 52,640 | | |
| 1/2 | | 1/2 | 134,300 | 1/2 | 124,066 | 1/2 | 113,832 | 1/2 | 103,598 | 1/2 | 93,363 | 1/2 | 83,129 | 1/2 | 72,895 | 1/2 | 62,661 | 1/2 | 52,426 | | |
| 3/4 | | 3/4 | 143,032 | 3/4 | 134,087 | 3/4 | 123,853 | 3/4 | 113,619 | 3/4 | 103,384 | 3/4 | 93,150 | 3/4 | 82,916 | 3/4 | 72,682 | 3/4 | 62,447 | 3/4 | 52,213 |

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1200"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|
| 0 | 52,000 | 0 | 41,766 | 0 | 31,563 | 0 | 21,549 | 0 | 11,315 | 0 | 1,127 | 0 | | 0 | | 0 | | | |
| 1/4 | 51,787 | 1/4 | 41,552 | 1/4 | 31,356 | 1/4 | 21,336 | 1/4 | 11,102 | 1/4 | 949 | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 51,573 | 1/2 | 41,339 | 1/2 | 31,149 | 1/2 | 21,123 | 1/2 | 10,889 | 1/2 | 772 | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 51,360 | 3/4 | 41,126 | 3/4 | 30,942 | 3/4 | 20,909 | 3/4 | 10,676 | 3/4 | 594 | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 1 | 51,147 | 1 | 40,913 | 1 | 30,735 | 1 | 20,696 | 1 | 10,462 | 1 | 488 | 1 | | 1 | | 1 | | | 1 |
| 1/4 | 50,934 | 1/4 | 40,700 | 1/4 | 30,528 | 1/4 | 20,483 | 1/4 | 10,249 | 1/4 | 381 | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 50,721 | 1/2 | 40,486 | 1/2 | 30,321 | 1/2 | 20,270 | 1/2 | 10,036 | 1/2 | 275 | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 50,507 | 3/4 | 40,273 | 3/4 | 30,114 | 3/4 | 20,057 | 3/4 | 9,823 | 3/4 | 168 | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 2 | 50,294 | 2 | 40,060 | 2 | 29,907 | 2 | 19,843 | 2 | 9,610 | 2 | 132 | 2 | | 2 | | 2 | | | 2 |
| 1/4 | 50,081 | 1/4 | 39,847 | 1/4 | 29,700 | 1/4 | 19,630 | 1/4 | 9,396 | 1/4 | 97 | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 49,868 | 1/2 | 39,634 | 1/2 | 29,493 | 1/2 | 19,417 | 1/2 | 9,183 | 1/2 | 61 | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 49,655 | 3/4 | 39,420 | 3/4 | 29,286 | 3/4 | 19,204 | 3/4 | 8,970 | 3/4 | 26 | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 3 | 49,441 | 3 | 39,207 | 3 | 29,080 | 3 | 18,991 | 3 | 8,757 | 3 | | 3 | | 3 | | 3 | | | 3 |
| 1/4 | 49,228 | 1/4 | 38,994 | 1/4 | 28,873 | 1/4 | 18,777 | 1/4 | 8,544 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 49,015 | 1/2 | 38,781 | 1/2 | 28,666 | 1/2 | 18,564 | 1/2 | 8,330 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 48,802 | 3/4 | 38,567 | 3/4 | 28,459 | 3/4 | 18,351 | 3/4 | 8,117 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 4 | 48,588 | 4 | 38,354 | 4 | 28,252 | 4 | 18,138 | 4 | 7,904 | 4 | | 4 | | 4 | | 4 | | | 4 |
| 1/4 | 48,375 | 1/4 | 38,141 | 1/4 | 28,045 | 1/4 | 17,925 | 1/4 | 7,691 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 48,162 | 1/2 | 37,928 | 1/2 | 27,838 | 1/2 | 17,711 | 1/2 | 7,478 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 47,949 | 3/4 | 37,715 | 3/4 | 27,631 | 3/4 | 17,498 | 3/4 | 7,264 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 5 | 47,736 | 5 | 37,501 | 5 | 27,424 | 5 | 17,285 | 5 | 7,051 | 5 | | 5 | | 5 | | 5 | | | 5 |
| 1/4 | 47,522 | 1/4 | 37,288 | 1/4 | 27,217 | 1/4 | 17,072 | 1/4 | 6,838 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 47,309 | 1/2 | 37,075 | 1/2 | 27,011 | 1/2 | 16,859 | 1/2 | 6,625 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 47,096 | 3/4 | 36,862 | 3/4 | 26,804 | 3/4 | 16,645 | 3/4 | 6,412 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 6 | 46,883 | 6 | 36,649 | 6 | 26,597 | 6 | 16,432 | 6 | 6,198 | 6 | | 6 | | 6 | | 6 | | | 6 |
| 1/4 | 46,670 | 1/4 | 36,435 | 1/4 | 26,390 | 1/4 | 16,219 | 1/4 | 5,985 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 46,456 | 1/2 | 36,222 | 1/2 | 26,183 | 1/2 | 16,006 | 1/2 | 5,772 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 46,243 | 3/4 | 36,009 | 3/4 | 25,976 | 3/4 | 15,793 | 3/4 | 5,559 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 7 | 46,030 | 7 | 35,796 | 7 | 25,769 | 7 | 15,579 | 7 | 5,346 | 7 | | 7 | | 7 | | 7 | | | 7 |
| 1/4 | 45,817 | 1/4 | 35,582 | 1/4 | 25,562 | 1/4 | 15,366 | 1/4 | 5,133 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 45,603 | 1/2 | 35,369 | 1/2 | 25,355 | 1/2 | 15,153 | 1/2 | 4,919 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 45,390 | 3/4 | 35,156 | 3/4 | 25,148 | 3/4 | 14,940 | 3/4 | 4,706 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 8 | 45,177 | 8 | 34,943 | 8 | 24,941 | 8 | 14,727 | 8 | 4,493 | 8 | | 8 | | 8 | | 8 | | | 8 |
| 1/4 | 44,964 | 1/4 | 34,730 | 1/4 | 24,735 | 1/4 | 14,513 | 1/4 | 4,280 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 44,751 | 1/2 | 34,516 | 1/2 | 24,528 | 1/2 | 14,300 | 1/2 | 4,067 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 44,537 | 3/4 | 34,303 | 3/4 | 24,321 | 3/4 | 14,087 | 3/4 | 3,853 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 9 | 44,324 | 9 | 34,090 | 9 | 24,108 | 9 | 13,874 | 9 | 3,640 | 9 | | 9 | | 9 | | 9 | | | 9 |
| 1/4 | 44,111 | 1/4 | 33,877 | 1/4 | 23,894 | 1/4 | 13,661 | 1/4 | 3,427 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 43,898 | 1/2 | 33,664 | 1/2 | 23,681 | 1/2 | 13,447 | 1/2 | 3,214 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 43,685 | 3/4 | 33,450 | 3/4 | 23,468 | 3/4 | 13,234 | 3/4 | 3,001 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 10 | 43,471 | 10 | 33,237 | 10 | 23,255 | 10 | 13,021 | 10 | 2,788 | 10 | | 10 | | 10 | | 10 | | | 10 |
| 1/4 | 43,258 | 1/4 | 33,024 | 1/4 | 23,042 | 1/4 | 12,808 | 1/4 | 2,575 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 43,045 | 1/2 | 32,811 | 1/2 | 22,828 | 1/2 | 12,595 | 1/2 | 2,363 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 42,832 | 3/4 | 32,597 | 3/4 | 22,615 | 3/4 | 12,381 | 3/4 | 2,150 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |
| 11 | 42,618 | 11 | 32,390 | 11 | 22,402 | 11 | 12,168 | 11 | 1,939 | 11 | | 11 | | 11 | | 11 | | | 11 |
| 1/4 | 42,405 | 1/4 | 32,184 | 1/4 | 22,189 | 1/4 | 11,955 | 1/4 | 1,727 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | 1/4 |
| 1/2 | 42,192 | 1/2 | 31,977 | 1/2 | 21,976 | 1/2 | 11,742 | 1/2 | 1,516 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | 1/2 |
| 3/4 | 41,979 | 3/4 | 31,770 | 3/4 | 21,762 | 3/4 | 11,528 | 3/4 | 1,305 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | 3/4 |

STRAPPED: 12/14/2017 SW
CALCULATED: 12/14/2017 CL
PRINTED: 12/15/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "IB 1200"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | | 0 | | 0 | 133,527 | 0 | 123,385 | 0 | 113,244 | 0 | 103,102 | 0 | 92,961 | 0 | 82,819 | 0 | 72,678 | 0 | 62,536 |
| 1/4 | | 1/4 | | 1/4 | 133,316 | 1/4 | 123,174 | 1/4 | 113,033 | 1/4 | 102,891 | 1/4 | 92,750 | 1/4 | 82,608 | 1/4 | 72,467 | 1/4 | 62,325 |
| 1/2 | | 1/2 | 141,968 | 1/2 | 133,104 | 1/2 | 122,963 | 1/2 | 112,821 | 1/2 | 102,680 | 1/2 | 92,538 | 1/2 | 82,397 | 1/2 | 72,255 | 1/2 | 62,114 |
| 3/4 | | 3/4 | 141,933 | 3/4 | 132,893 | 3/4 | 122,751 | 3/4 | 112,610 | 3/4 | 102,468 | 3/4 | 92,327 | 3/4 | 82,186 | 3/4 | 72,044 | 3/4 | 61,903 |
| 1 | | 1 | 141,898 | 1 | 132,682 | 1 | 122,540 | 1 | 112,399 | 1 | 102,257 | 1 | 92,116 | 1 | 81,974 | 1 | 71,833 | 1 | 61,691 |
| 1/4 | | 1/4 | 141,862 | 1/4 | 132,470 | 1/4 | 122,329 | 1/4 | 112,187 | 1/4 | 102,046 | 1/4 | 91,904 | 1/4 | 81,763 | 1/4 | 71,621 | 1/4 | 61,480 |
| 1/2 | | 1/2 | 141,827 | 1/2 | 132,259 | 1/2 | 122,118 | 1/2 | 111,976 | 1/2 | 101,835 | 1/2 | 91,693 | 1/2 | 81,552 | 1/2 | 71,410 | 1/2 | 61,269 |
| 3/4 | | 3/4 | 141,722 | 3/4 | 132,048 | 3/4 | 121,906 | 3/4 | 111,765 | 3/4 | 101,623 | 3/4 | 91,482 | 3/4 | 81,340 | 3/4 | 71,199 | 3/4 | 61,057 |
| 2 | | 2 | 141,616 | 2 | 131,837 | 2 | 121,695 | 2 | 111,554 | 2 | 101,412 | 2 | 91,271 | 2 | 81,129 | 2 | 70,988 | 2 | 60,846 |
| 1/4 | | 1/4 | 141,510 | 1/4 | 131,625 | 1/4 | 121,484 | 1/4 | 111,342 | 1/4 | 101,201 | 1/4 | 91,059 | 1/4 | 80,918 | 1/4 | 70,776 | 1/4 | 60,635 |
| 1/2 | | 1/2 | 141,405 | 1/2 | 131,414 | 1/2 | 121,273 | 1/2 | 111,131 | 1/2 | 100,990 | 1/2 | 90,848 | 1/2 | 80,707 | 1/2 | 70,565 | 1/2 | 60,424 |
| 3/4 | | 3/4 | 141,229 | 3/4 | 131,203 | 3/4 | 121,061 | 3/4 | 110,920 | 3/4 | 100,778 | 3/4 | 90,637 | 3/4 | 80,495 | 3/4 | 70,354 | 3/4 | 60,212 |
| 3 | | 3 | 141,053 | 3 | 130,991 | 3 | 120,850 | 3 | 110,708 | 3 | 100,567 | 3 | 90,425 | 3 | 80,284 | 3 | 70,142 | 3 | 60,001 |
| 1/4 | | 1/4 | 140,877 | 1/4 | 130,780 | 1/4 | 120,639 | 1/4 | 110,497 | 1/4 | 100,356 | 1/4 | 90,214 | 1/4 | 80,073 | 1/4 | 69,931 | 1/4 | 59,790 |
| 1/2 | | 1/2 | 140,701 | 1/2 | 130,569 | 1/2 | 120,427 | 1/2 | 110,286 | 1/2 | 100,144 | 1/2 | 90,003 | 1/2 | 79,861 | 1/2 | 69,720 | 1/2 | 59,578 |
| 3/4 | | 3/4 | 140,491 | 3/4 | 130,358 | 3/4 | 120,216 | 3/4 | 110,075 | 3/4 | 99,933 | 3/4 | 89,792 | 3/4 | 79,650 | 3/4 | 69,509 | 3/4 | 59,367 |
| 4 | | 4 | 140,282 | 4 | 130,146 | 4 | 120,005 | 4 | 109,863 | 4 | 99,722 | 4 | 89,580 | 4 | 79,439 | 4 | 69,297 | 4 | 59,156 |
| 1/4 | | 1/4 | 140,072 | 1/4 | 129,935 | 1/4 | 119,794 | 1/4 | 109,652 | 1/4 | 99,511 | 1/4 | 89,369 | 1/4 | 79,228 | 1/4 | 69,086 | 1/4 | 58,945 |
| 1/2 | | 1/2 | 139,863 | 1/2 | 129,724 | 1/2 | 119,582 | 1/2 | 109,441 | 1/2 | 99,299 | 1/2 | 89,158 | 1/2 | 79,016 | 1/2 | 68,875 | 1/2 | 58,733 |
| 3/4 | | 3/4 | 139,652 | 3/4 | 129,512 | 3/4 | 119,371 | 3/4 | 109,229 | 3/4 | 99,088 | 3/4 | 88,947 | 3/4 | 78,805 | 3/4 | 68,664 | 3/4 | 58,522 |
| 5 | | 5 | 139,441 | 5 | 129,301 | 5 | 119,160 | 5 | 109,018 | 5 | 98,877 | 5 | 88,735 | 5 | 78,594 | 5 | 68,452 | 5 | 58,311 |
| 1/4 | | 1/4 | 139,231 | 1/4 | 129,090 | 1/4 | 118,948 | 1/4 | 108,807 | 1/4 | 98,665 | 1/4 | 88,524 | 1/4 | 78,382 | 1/4 | 68,241 | 1/4 | 58,099 |
| 1/2 | | 1/2 | 139,020 | 1/2 | 128,879 | 1/2 | 118,737 | 1/2 | 108,596 | 1/2 | 98,454 | 1/2 | 88,313 | 1/2 | 78,171 | 1/2 | 68,030 | 1/2 | 57,888 |
| 3/4 | | 3/4 | 138,809 | 3/4 | 128,667 | 3/4 | 118,526 | 3/4 | 108,384 | 3/4 | 98,243 | 3/4 | 88,101 | 3/4 | 77,960 | 3/4 | 67,818 | 3/4 | 57,677 |
| 6 | | 6 | 138,597 | 6 | 128,456 | 6 | 118,315 | 6 | 108,173 | 6 | 98,032 | 6 | 87,890 | 6 | 77,749 | 6 | 67,607 | 6 | 57,466 |
| 1/4 | | 1/4 | 138,386 | 1/4 | 128,245 | 1/4 | 118,103 | 1/4 | 107,962 | 1/4 | 97,820 | 1/4 | 87,679 | 1/4 | 77,537 | 1/4 | 67,396 | 1/4 | 57,254 |
| 1/2 | | 1/2 | 138,175 | 1/2 | 128,034 | 1/2 | 117,892 | 1/2 | 107,751 | 1/2 | 97,609 | 1/2 | 87,468 | 1/2 | 77,326 | 1/2 | 67,185 | 1/2 | 57,043 |
| 3/4 | | 3/4 | 137,964 | 3/4 | 127,822 | 3/4 | 117,681 | 3/4 | 107,539 | 3/4 | 97,398 | 3/4 | 87,256 | 3/4 | 77,115 | 3/4 | 66,973 | 3/4 | 56,832 |
| 7 | | 7 | 137,752 | 7 | 127,611 | 7 | 117,469 | 7 | 107,328 | 7 | 97,186 | 7 | 87,045 | 7 | 76,903 | 7 | 66,762 | 7 | 56,620 |
| 1/4 | | 1/4 | 137,541 | 1/4 | 127,400 | 1/4 | 117,258 | 1/4 | 107,117 | 1/4 | 96,975 | 1/4 | 86,834 | 1/4 | 76,692 | 1/4 | 66,551 | 1/4 | 56,409 |
| 1/2 | | 1/2 | 137,330 | 1/2 | 127,188 | 1/2 | 117,047 | 1/2 | 106,905 | 1/2 | 96,764 | 1/2 | 86,622 | 1/2 | 76,481 | 1/2 | 66,339 | 1/2 | 56,198 |
| 3/4 | | 3/4 | 137,119 | 3/4 | 126,977 | 3/4 | 116,836 | 3/4 | 106,694 | 3/4 | 96,553 | 3/4 | 86,411 | 3/4 | 76,270 | 3/4 | 66,128 | 3/4 | 55,987 |
| 8 | | 8 | 136,907 | 8 | 126,766 | 8 | 116,624 | 8 | 106,483 | 8 | 96,341 | 8 | 86,200 | 8 | 76,058 | 8 | 65,917 | 8 | 55,775 |
| 1/4 | | 1/4 | 136,696 | 1/4 | 126,555 | 1/4 | 116,413 | 1/4 | 106,272 | 1/4 | 96,130 | 1/4 | 85,989 | 1/4 | 75,847 | 1/4 | 65,706 | 1/4 | 55,564 |
| 1/2 | | 1/2 | 136,485 | 1/2 | 126,343 | 1/2 | 116,202 | 1/2 | 106,060 | 1/2 | 95,919 | 1/2 | 85,777 | 1/2 | 75,636 | 1/2 | 65,494 | 1/2 | 55,353 |
| 3/4 | | 3/4 | 136,273 | 3/4 | 126,132 | 3/4 | 115,990 | 3/4 | 105,849 | 3/4 | 95,707 | 3/4 | 85,566 | 3/4 | 75,425 | 3/4 | 65,283 | 3/4 | 55,142 |
| 9 | | 9 | 136,062 | 9 | 125,921 | 9 | 115,779 | 9 | 105,638 | 9 | 95,496 | 9 | 85,355 | 9 | 75,213 | 9 | 65,072 | 9 | 54,930 |
| 1/4 | | 1/4 | 135,851 | 1/4 | 125,709 | 1/4 | 115,568 | 1/4 | 105,426 | 1/4 | 95,285 | 1/4 | 85,143 | 1/4 | 75,002 | 1/4 | 64,860 | 1/4 | 54,719 |
| 1/2 | | 1/2 | 135,640 | 1/2 | 125,498 | 1/2 | 115,357 | 1/2 | 105,215 | 1/2 | 95,074 | 1/2 | 84,932 | 1/2 | 74,791 | 1/2 | 64,649 | 1/2 | 54,508 |
| 3/4 | | 3/4 | 135,428 | 3/4 | 125,287 | 3/4 | 115,145 | 3/4 | 105,004 | 3/4 | 94,862 | 3/4 | 84,721 | 3/4 | 74,579 | 3/4 | 64,438 | 3/4 | 54,296 |
| 10 | | 10 | 135,217 | 10 | 125,076 | 10 | 114,934 | 10 | 104,793 | 10 | 94,651 | 10 | 84,510 | 10 | 74,368 | 10 | 64,227 | 10 | 54,085 |
| 1/4 | | 1/4 | 135,006 | 1/4 | 124,864 | 1/4 | 114,723 | 1/4 | 104,581 | 1/4 | 94,440 | 1/4 | 84,298 | 1/4 | 74,157 | 1/4 | 64,015 | 1/4 | 53,874 |
| 1/2 | | 1/2 | 134,795 | 1/2 | 124,653 | 1/2 | 114,512 | 1/2 | 104,370 | 1/2 | 94,229 | 1/2 | 84,087 | 1/2 | 73,946 | 1/2 | 63,804 | 1/2 | 53,663 |
| 3/4 | | 3/4 | 134,583 | 3/4 | 124,442 | 3/4 | 114,300 | 3/4 | 104,159 | 3/4 | 94,017 | 3/4 | 83,876 | 3/4 | 73,734 | 3/4 | 63,593 | 3/4 | 53,451 |
| 11 | | 11 | 134,372 | 11 | 124,230 | 11 | 114,089 | 11 | 103,947 | 11 | 93,806 | 11 | 83,664 | 11 | 73,523 | 11 | 63,381 | 11 | 53,240 |
| 1/4 | | 1/4 | 134,161 | 1/4 | 124,019 | 1/4 | 113,878 | 1/4 | 103,736 | 1/4 | 93,595 | 1/4 | 83,453 | 1/4 | 73,312 | 1/4 | 63,170 | 1/4 | 53,029 |
| 1/2 | | 1/2 | 133,949 | 1/2 | 123,808 | 1/2 | 113,666 | 1/2 | 103,525 | 1/2 | 93,383 | 1/2 | 83,242 | 1/2 | 73,100 | 1/2 | 62,959 | 1/2 | 52,817 |
| 3/4 | | 3/4 | 133,738 | 3/4 | 123,597 | 3/4 | 113,455 | 3/4 | 103,314 | 3/4 | 93,172 | 3/4 | 83,031 | 3/4 | 72,889 | 3/4 | 62,748 | 3/4 | 52,606 |

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1200"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 52,395 | 0 | 42,253 | 0 | 32,113 | 0 | 21,988 | 0 | 11,847 | 0 | 1,712 | 0 | | 0 | | 0 | | | |
| 1/4 | 52,184 | 1/4 | 42,042 | 1/4 | 31,902 | 1/4 | 21,777 | 1/4 | 11,636 | 1/4 | 1,503 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 51,972 | 1/2 | 41,831 | 1/2 | 31,691 | 1/2 | 21,566 | 1/2 | 11,425 | 1/2 | 1,293 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 51,761 | 3/4 | 41,620 | 3/4 | 31,480 | 3/4 | 21,354 | 3/4 | 11,213 | 3/4 | 1,117 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 51,550 | 1 | 41,408 | 1 | 31,269 | 1 | 21,143 | 1 | 11,002 | 1 | 941 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 51,338 | 1/4 | 41,197 | 1/4 | 31,058 | 1/4 | 20,932 | 1/4 | 10,791 | 1/4 | 765 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 51,127 | 1/2 | 40,986 | 1/2 | 30,847 | 1/2 | 20,721 | 1/2 | 10,579 | 1/2 | 589 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 50,916 | 3/4 | 40,774 | 3/4 | 30,637 | 3/4 | 20,509 | 3/4 | 10,368 | 3/4 | 484 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 50,705 | 2 | 40,563 | 2 | 30,426 | 2 | 20,298 | 2 | 10,157 | 2 | 378 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 50,493 | 1/4 | 40,352 | 1/4 | 30,215 | 1/4 | 20,087 | 1/4 | 9,946 | 1/4 | 273 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 50,282 | 1/2 | 40,141 | 1/2 | 30,004 | 1/2 | 19,875 | 1/2 | 9,734 | 1/2 | 167 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 50,071 | 3/4 | 39,929 | 3/4 | 29,793 | 3/4 | 19,664 | 3/4 | 9,523 | 3/4 | 132 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 49,859 | 3 | 39,718 | 3 | 29,582 | 3 | 19,453 | 3 | 9,312 | 3 | 97 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 49,648 | 1/4 | 39,507 | 1/4 | 29,372 | 1/4 | 19,242 | 1/4 | 9,101 | 1/4 | 61 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 49,437 | 1/2 | 39,295 | 1/2 | 29,161 | 1/2 | 19,030 | 1/2 | 8,889 | 1/2 | 26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 49,226 | 3/4 | 39,084 | 3/4 | 28,950 | 3/4 | 18,819 | 3/4 | 8,678 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 49,014 | 4 | 38,873 | 4 | 28,739 | 4 | 18,608 | 4 | 8,467 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 48,803 | 1/4 | 38,662 | 1/4 | 28,528 | 1/4 | 18,397 | 1/4 | 8,255 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 48,592 | 1/2 | 38,450 | 1/2 | 28,317 | 1/2 | 18,185 | 1/2 | 8,044 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 48,381 | 3/4 | 38,239 | 3/4 | 28,107 | 3/4 | 17,974 | 3/4 | 7,833 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 48,169 | 5 | 38,028 | 5 | 27,896 | 5 | 17,763 | 5 | 7,622 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 47,958 | 1/4 | 37,816 | 1/4 | 27,685 | 1/4 | 17,551 | 1/4 | 7,410 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 47,747 | 1/2 | 37,605 | 1/2 | 27,474 | 1/2 | 17,340 | 1/2 | 7,199 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 47,535 | 3/4 | 37,394 | 3/4 | 27,263 | 3/4 | 17,129 | 3/4 | 6,988 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 47,324 | 6 | 37,183 | 6 | 27,052 | 6 | 16,918 | 6 | 6,777 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 47,113 | 1/4 | 36,971 | 1/4 | 26,842 | 1/4 | 16,706 | 1/4 | 6,565 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46,902 | 1/2 | 36,760 | 1/2 | 26,631 | 1/2 | 16,495 | 1/2 | 6,354 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 46,690 | 3/4 | 36,549 | 3/4 | 26,420 | 3/4 | 16,284 | 3/4 | 6,143 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 46,479 | 7 | 36,338 | 7 | 26,209 | 7 | 16,073 | 7 | 5,932 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 46,268 | 1/4 | 36,126 | 1/4 | 25,998 | 1/4 | 15,861 | 1/4 | 5,720 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46,056 | 1/2 | 35,915 | 1/2 | 25,788 | 1/2 | 15,650 | 1/2 | 5,509 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 45,845 | 3/4 | 35,704 | 3/4 | 25,577 | 3/4 | 15,439 | 3/4 | 5,298 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 45,634 | 8 | 35,492 | 8 | 25,366 | 8 | 15,227 | 8 | 5,087 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 45,423 | 1/4 | 35,281 | 1/4 | 25,155 | 1/4 | 15,016 | 1/4 | 4,875 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 45,211 | 1/2 | 35,070 | 1/2 | 24,944 | 1/2 | 14,805 | 1/2 | 4,664 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 45,000 | 3/4 | 34,859 | 3/4 | 24,733 | 3/4 | 14,594 | 3/4 | 4,453 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 44,789 | 9 | 34,647 | 9 | 24,523 | 9 | 14,382 | 9 | 4,242 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 44,577 | 1/4 | 34,436 | 1/4 | 24,312 | 1/4 | 14,171 | 1/4 | 4,030 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 44,366 | 1/2 | 34,225 | 1/2 | 24,101 | 1/2 | 13,960 | 1/2 | 3,819 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 44,155 | 3/4 | 34,013 | 3/4 | 23,890 | 3/4 | 13,749 | 3/4 | 3,608 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 43,944 | 10 | 33,802 | 10 | 23,678 | 10 | 13,537 | 10 | 3,397 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 43,732 | 1/4 | 33,591 | 1/4 | 23,467 | 1/4 | 13,326 | 1/4 | 3,185 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 43,521 | 1/2 | 33,380 | 1/2 | 23,256 | 1/2 | 13,115 | 1/2 | 2,974 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 43,310 | 3/4 | 33,168 | 3/4 | 23,045 | 3/4 | 12,903 | 3/4 | 2,763 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 43,099 | 11 | 32,957 | 11 | 22,833 | 11 | 12,692 | 11 | 2,553 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 42,887 | 1/4 | 32,746 | 1/4 | 22,622 | 1/4 | 12,481 | 1/4 | 2,342 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 42,676 | 1/2 | 32,534 | 1/2 | 22,411 | 1/2 | 12,270 | 1/2 | 2,131 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 42,465 | 3/4 | 32,324 | 3/4 | 22,199 | 3/4 | 12,058 | 3/4 | 1,922 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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PRINTED: 12/15/2017 SW

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ALL PRIOR TO 12/2017

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