

Chas. MARTIN

A
COMPANY OF  INSPECTORATE

BARGE "IB 1022"

INGRAM BARGE LINES

CORRECTION TABLE FOR TRIM AFT.			
FOR INNAGE GAUGES ONLY			
TRIM	TANK NO. 1	TANK NO. 2	TANK NO. 3
0'-6"	(-) 0'-0 1/4"	(-) 0'-0 1/8"	(-) 0'-0 1/8"
1'-0"	(-) 0'-0 3/8"	(-) 0'-0 1/4"	(-) 0'-0 1/4"
1'-6"	(-) 0'-0 5/8"	(-) 0'-0 1/2"	(-) 0'-0 3/8"
2'-0"	(-) 0'-0 7/8"	(-) 0'-0 5/8"	(-) 0'-0 1/2"
2'-6"	(-) 0'-1"	(-) 0'-0 3/4"	(-) 0'-0 5/8"
3'-0"	(-) 0'-1 1/4"	(-) 0'-0 7/8"	(-) 0'-0 3/4"
3'-6"	(-) 0'-1 1/2"	(-) 0'-1"	(-) 0'-0 7/8"
4'-0"	(-) 0'-1 5/8"	(-) 0'-1 1/8"	(-) 0'-1"
4'-6"	(-) 0'-1 7/8"	(-) 0'-1 3/8"	(-) 0'-1 1/8"
5'-0"	(-) 0'-2 1/8"	(-) 0'-1 1/2"	(-) 0'-1 1/4"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

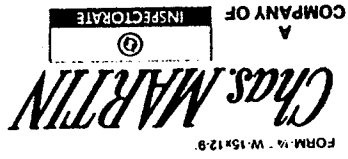
NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

CHAS. MARTIN INSPECTION
AND CONTROLS, INC.

BY: 

DATE: 8/4/92



BARGE "IB 1022"

INGRAM BARGE LINES

SHEET NO. 1 OF 2
TANK NUMBER: 1

HULL NO. 1592

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	CONTINUED ON SHEET NO. 2
IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0	IN. 945 0
11,785 0	11,785 0	11,785 0	11,785 0	11,785 0	11,785 0	11,785 0	11,785 0	11,785 0
12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4	12,009 1/4
12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2	12,234 1/2
1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2	1,595 1/2
1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4	1,621 3/4
1,846 1	1,846 1	1,846 1	1,846 1	1,846 1	1,846 1	1,846 1	1,846 1	1,846 1
2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4	2,072 1/4
2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2	2,298 1/2
2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4	2,524 3/4
2,750 2	2,750 2	2,750 2	2,750 2	2,750 2	2,750 2	2,750 2	2,750 2	2,750 2
2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4	2,976 1/4
3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2	3,202 1/2
3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4	3,428 3/4
3,654 3	3,654 3	3,654 3	3,654 3	3,654 3	3,654 3	3,654 3	3,654 3	3,654 3
3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4	3,879 1/4
4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2	4,105 1/2
4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4	4,331 3/4
4,557 4	4,557 4	4,557 4	4,557 4	4,557 4	4,557 4	4,557 4	4,557 4	4,557 4
4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4	4,783 1/4
5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2	5,009 1/2
5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4	5,235 3/4
5,461 5	5,461 5	5,461 5	5,461 5	5,461 5	5,461 5	5,461 5	5,461 5	5,461 5
5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4	5,687 1/4
5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2	5,912 1/2
6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4	6,138 3/4
6,364 6	6,364 6	6,364 6	6,364 6	6,364 6	6,364 6	6,364 6	6,364 6	6,364 6
6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4	6,590 1/4
6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2	6,815 1/2
7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4	7,041 3/4
7,267 7	7,267 7	7,267 7	7,267 7	7,267 7	7,267 7	7,267 7	7,267 7	7,267 7
7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4	7,493 1/4
7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2	7,719 1/2
7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4	7,944 3/4
8,170 8	8,170 8	8,170 8	8,170 8	8,170 8	8,170 8	8,170 8	8,170 8	8,170 8
8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4	8,396 1/4
8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2	8,622 1/2
8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4	8,848 3/4
9,073 9	9,073 9	9,073 9	9,073 9	9,073 9	9,073 9	9,073 9	9,073 9	9,073 9
9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4	9,299 1/4
9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2	9,525 1/2
9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4	9,751 3/4
9,977 10	9,977 10	9,977 10	9,977 10	9,977 10	9,977 10	9,977 10	9,977 10	9,977 10
10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4	10,202 1/4
10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2	10,428 1/2
10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4	10,654 3/4
10,880 11	10,880 11	10,880 11	10,880 11	10,880 11	10,880 11	10,880 11	10,880 11	10,880 11
11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4	11,106 1/4
11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2	11,331 1/2
11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4	11,557 3/4

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-11" (TO TOP OF BALL VALVE HATCH)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

CHAS. MARTIN CORPORATION



FORM W-15-12-9

BARGE "IB 1022"

INGRAM BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1592

SHEET NO. 2 OF 2
TANK NUMBER: 1

8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET
IN. 87,607 0	IN. 88,444 0	IN. 89,282 0	IN. 90,120 0	IN. 90,958 0	IN. 91,796 0	IN. 92,634 0	IN. 93,472 0
1/4 87,833 1/4	1/4 88,670 1/4	1/4 89,508 1/4	1/4 90,346 1/4	1/4 91,184 1/4	1/4 92,022 1/4	1/4 92,860 1/4	1/4 93,698 1/4
1/2 88,059 1/2	1/2 88,896 1/2	1/2 89,734 1/2	1/2 90,572 1/2	1/2 91,410 1/2	1/2 92,248 1/2	1/2 93,086 1/2	1/2 93,924 1/2
3/4 88,284 3/4	3/4 89,122 3/4	3/4 89,960 3/4	3/4 90,798 3/4	3/4 91,636 3/4	3/4 92,474 3/4	3/4 93,312 3/4	3/4 94,150 3/4
1 88,510 1	1 89,348 1	1 90,186 1	1 91,024 1	1 91,862 1	1 92,700 1	1 93,538 1	1 94,376 1
1/4 88,736 1/4	1/4 89,574 1/4	1/4 90,412 1/4	1/4 91,250 1/4	1/4 92,088 1/4	1/4 92,926 1/4	1/4 93,764 1/4	1/4 94,602 1/4
1/2 88,962 1/2	1/2 89,800 1/2	1/2 90,638 1/2	1/2 91,476 1/2	1/2 92,314 1/2	1/2 93,152 1/2	1/2 93,990 1/2	1/2 94,828 1/2
3/4 89,188 3/4	3/4 90,026 3/4	3/4 90,864 3/4	3/4 91,702 3/4	3/4 92,540 3/4	3/4 93,378 3/4	3/4 94,216 3/4	3/4 95,054 3/4
2 89,413 2	2 90,251 2	2 91,089 2	2 91,927 2	2 92,765 2	2 93,603 2	2 94,441 2	2 95,279 2
1/4 89,639 1/4	1/4 90,477 1/4	1/4 91,315 1/4	1/4 92,153 1/4	1/4 92,991 1/4	1/4 93,829 1/4	1/4 94,667 1/4	1/4 95,505 1/4
1/2 89,865 1/2	1/2 90,703 1/2	1/2 91,541 1/2	1/2 92,379 1/2	1/2 93,217 1/2	1/2 94,055 1/2	1/2 94,893 1/2	1/2 95,731 1/2
3/4 89,091 3/4	3/4 90,029 3/4	3/4 90,967 3/4	3/4 91,905 3/4	3/4 92,843 3/4	3/4 93,781 3/4	3/4 94,719 3/4	3/4 95,657 3/4
3 90,316 3	3 91,254 3	3 92,192 3	3 93,130 3	3 94,068 3	3 95,006 3	3 95,944 3	3 96,882 3
1/4 90,542 1/4	1/4 91,480 1/4	1/4 92,418 1/4	1/4 93,356 1/4	1/4 94,294 1/4	1/4 95,232 1/4	1/4 96,170 1/4	1/4 97,108 1/4
1/2 90,768 1/2	1/2 91,706 1/2	1/2 92,644 1/2	1/2 93,582 1/2	1/2 94,520 1/2	1/2 95,458 1/2	1/2 96,396 1/2	1/2 97,334 1/2
3/4 90,994 3/4	3/4 91,932 3/4	3/4 92,870 3/4	3/4 93,808 3/4	3/4 94,746 3/4	3/4 95,684 3/4	3/4 96,622 3/4	3/4 97,560 3/4
4 91,220 4	4 92,158 4	4 93,096 4	4 94,034 4	4 94,972 4	4 95,910 4	4 96,848 4	4 97,786 4
1/4 91,445 1/4	1/4 92,383 1/4	1/4 93,321 1/4	1/4 94,259 1/4	1/4 95,197 1/4	1/4 96,135 1/4	1/4 97,073 1/4	1/4 98,011 1/4
1/2 91,671 1/2	1/2 92,609 1/2	1/2 93,547 1/2	1/2 94,485 1/2	1/2 95,423 1/2	1/2 96,361 1/2	1/2 97,299 1/2	1/2 98,237 1/2
3/4 91,897 3/4	3/4 92,835 3/4	3/4 93,773 3/4	3/4 94,711 3/4	3/4 95,649 3/4	3/4 96,587 3/4	3/4 97,525 3/4	3/4 98,463 3/4
5 92,123 5	5 93,061 5	5 94,000 5	5 94,938 5	5 95,876 5	5 96,814 5	5 97,752 5	5 98,690 5
1/4 92,348 1/4	1/4 93,286 1/4	1/4 94,224 1/4	1/4 95,162 1/4	1/4 96,100 1/4	1/4 97,038 1/4	1/4 97,976 1/4	1/4 98,914 1/4
1/2 92,574 1/2	1/2 93,512 1/2	1/2 94,450 1/2	1/2 95,388 1/2	1/2 96,326 1/2	1/2 97,264 1/2	1/2 98,202 1/2	1/2 99,140 1/2
3/4 92,800 3/4	3/4 93,738 3/4	3/4 94,676 3/4	3/4 95,614 3/4	3/4 96,552 3/4	3/4 97,490 3/4	3/4 98,428 3/4	3/4 99,366 3/4
6 93,026 6	6 93,964 6	6 94,902 6	6 95,840 6	6 96,778 6	6 97,716 6	6 98,654 6	6 99,592 6
1/4 93,252 1/4	1/4 94,190 1/4	1/4 95,128 1/4	1/4 96,066 1/4	1/4 97,004 1/4	1/4 97,942 1/4	1/4 98,880 1/4	1/4 99,818 1/4
1/2 93,477 1/2	1/2 94,415 1/2	1/2 95,353 1/2	1/2 96,291 1/2	1/2 97,229 1/2	1/2 98,167 1/2	1/2 99,105 1/2	1/2 100,043 1/2
3/4 93,703 3/4	3/4 94,641 3/4	3/4 95,579 3/4	3/4 96,517 3/4	3/4 97,455 3/4	3/4 98,393 3/4	3/4 99,331 3/4	3/4 100,269 3/4
7 93,929 7	7 94,867 7	7 95,805 7	7 96,743 7	7 97,681 7	7 98,619 7	7 99,557 7	7 100,495 7
1/4 94,155 1/4	1/4 95,093 1/4	1/4 96,031 1/4	1/4 96,969 1/4	1/4 97,907 1/4	1/4 98,845 1/4	1/4 99,783 1/4	1/4 100,721 1/4
1/2 94,380 1/2	1/2 95,318 1/2	1/2 96,256 1/2	1/2 97,194 1/2	1/2 98,132 1/2	1/2 99,070 1/2	1/2 99,908 1/2	1/2 100,846 1/2
3/4 94,606 3/4	3/4 95,544 3/4	3/4 96,482 3/4	3/4 97,420 3/4	3/4 98,358 3/4	3/4 99,296 3/4	3/4 100,234 3/4	3/4 101,172 3/4
8 94,832 8	8 95,770 8	8 96,708 8	8 97,646 8	8 98,584 8	8 99,522 8	8 100,460 8	8 101,398 8
1/4 95,058 1/4	1/4 95,996 1/4	1/4 96,934 1/4	1/4 97,872 1/4	1/4 98,810 1/4	1/4 99,748 1/4	1/4 100,686 1/4	1/4 101,624 1/4
1/2 95,284 1/2	1/2 96,222 1/2	1/2 97,160 1/2	1/2 98,098 1/2	1/2 99,036 1/2	1/2 99,974 1/2	1/2 100,912 1/2	1/2 101,850 1/2
3/4 95,509 3/4	3/4 96,447 3/4	3/4 97,385 3/4	3/4 98,323 3/4	3/4 99,261 3/4	3/4 100,199 3/4	3/4 101,137 3/4	3/4 102,075 3/4
9 95,735 9	9 96,673 9	9 97,611 9	9 98,549 9	9 99,487 9	9 100,425 9	9 101,363 9	9 102,301 9
1/4 95,961 1/4	1/4 96,899 1/4	1/4 97,837 1/4	1/4 98,775 1/4	1/4 99,713 1/4	1/4 100,651 1/4	1/4 101,589 1/4	1/4 102,527 1/4
1/2 96,187 1/2	1/2 97,125 1/2	1/2 98,063 1/2	1/2 98,999 1/2	1/2 99,937 1/2	1/2 100,875 1/2	1/2 101,813 1/2	1/2 102,751 1/2
3/4 96,412 3/4	3/4 97,350 3/4	3/4 98,288 3/4	3/4 99,226 3/4	3/4 100,164 3/4	3/4 101,102 3/4	3/4 102,040 3/4	3/4 102,978 3/4
10 96,638 10	10 97,576 10	10 98,514 10	10 99,452 10	10 100,390 10	10 101,328 10	10 102,266 10	10 103,204 10
1/4 96,864 1/4	1/4 97,802 1/4	1/4 98,740 1/4	1/4 99,678 1/4	1/4 100,616 1/4	1/4 101,554 1/4	1/4 102,492 1/4	1/4 103,430 1/4
1/2 97,090 1/2	1/2 98,028 1/2	1/2 98,966 1/2	1/2 99,904 1/2	1/2 100,842 1/2	1/2 101,780 1/2	1/2 102,718 1/2	1/2 103,656 1/2
3/4 97,316 3/4	3/4 98,254 3/4	3/4 99,192 3/4	3/4 100,130 3/4	3/4 101,068 3/4	3/4 102,006 3/4	3/4 102,944 3/4	3/4 103,882 3/4
11 97,541 11	11 98,479 11	11 99,417 11	11 100,355 11	11 101,293 11	11 102,231 11	11 103,169 11	11 104,107 11
1/4 97,767 1/4	1/4 98,705 1/4	1/4 99,643 1/4	1/4 100,581 1/4	1/4 101,519 1/4	1/4 102,457 1/4	1/4 103,395 1/4	1/4 104,333 1/4
1/2 97,993 1/2	1/2 98,931 1/2	1/2 99,869 1/2	1/2 100,807 1/2	1/2 101,745 1/2	1/2 102,683 1/2	1/2 103,621 1/2	1/2 104,559 1/2
3/4 98,219 3/4	3/4 99,157 3/4	3/4 100,095 3/4	3/4 101,033 3/4	3/4 101,971 3/4	3/4 102,909 3/4	3/4 103,847 3/4	3/4 104,785 3/4

CHAS. MARTIN CORPORATION

STRAPPED: 8/4/92

GAUGE HEIGHT: 14'-11" (TO TOP OF BALL VALVE HATCH)

CAPACITY IN: U.S. GALLONS

BARGE "IB 1022"

INGRAM BARGE LINES

SHEET NO. 2 OF 2
 TANK NUMBER:

2

HULL NO. 1592

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET	
IN.	87,101	IN.	97,961	IN.	108,821	IN.	119,681	IN.	130,541	IN.	141,401	IN.	149,043	0	IN.
0	87,328	0	97,961	0	108,821	0	119,681	0	130,541	0	141,401	0	149,043	0	IN.
1/4	87,554	1/4	98,414	1/4	109,047	1/4	119,907	1/4	130,767	1/4	141,627	1/4	149,055	1/4	1/4
1/2	87,780	1/2	98,640	1/2	109,500	1/2	120,350	1/2	131,220	1/2	142,079	1/2	149,080	1/2	1/2
3/4	88,006	3/4	98,866	3/4	109,726	3/4	120,586	3/4	131,446	3/4	142,306	3/4	149,093	3/4	3/4
1	88,233	1	99,092	1	109,952	1	120,812	1	131,672	1	142,532	1	149,100	1	1
1 1/4	88,459	1 1/4	99,319	1 1/4	110,179	1 1/4	121,038	1 1/4	131,898	1 1/4	142,758	1 1/4	149,107	1 1/4	1 1/4
1 1/2	88,685	1 1/2	99,545	1 1/2	110,405	1 1/2	121,265	1 1/2	132,125	1 1/2	142,984	1 1/2	149,114	1 1/2	1 1/2
1 3/4	88,911	1 3/4	99,771	1 3/4	110,631	1 3/4	121,491	1 3/4	132,351	1 3/4	143,211	1 3/4	149,121	1 3/4	1 3/4
2	89,138	2	99,997	2	110,857	2	121,717	2	132,577	2	143,437	2	149,128	2	2
2 1/4	89,364	2 1/4	100,224	2 1/4	111,084	2 1/4	121,943	2 1/4	132,803	2 1/4	143,663	2 1/4	149,135	2 1/4	2 1/4
2 1/2	89,590	2 1/2	100,450	2 1/2	111,310	2 1/2	122,170	2 1/2	133,029	2 1/2	143,889	2 1/2	149,142	2 1/2	2 1/2
2 3/4	89,816	2 3/4	100,676	2 3/4	111,536	2 3/4	122,396	2 3/4	133,256	2 3/4	144,116	2 3/4	149,149	2 3/4	2 3/4
3	89,816	3	100,676	3	111,536	3	122,396	3	133,256	3	144,116	3	149,149	3	3
3 1/4	89,816	3 1/4	100,676	3 1/4	111,536	3 1/4	122,396	3 1/4	133,256	3 1/4	144,116	3 1/4	149,149	3 1/4	3 1/4
3 1/2	89,816	3 1/2	100,676	3 1/2	111,536	3 1/2	122,396	3 1/2	133,256	3 1/2	144,116	3 1/2	149,149	3 1/2	3 1/2
3 3/4	89,816	3 3/4	100,676	3 3/4	111,536	3 3/4	122,396	3 3/4	133,256	3 3/4	144,116	3 3/4	149,149	3 3/4	3 3/4
4	90,043	4	100,902	4	111,762	4	122,622	4	133,482	4	144,342	4	149,156	4	4
4 1/4	90,269	4 1/4	101,129	4 1/4	111,989	4 1/4	122,848	4 1/4	133,708	4 1/4	144,568	4 1/4	149,163	4 1/4	4 1/4
4 1/2	90,495	4 1/2	101,355	4 1/2	112,215	4 1/2	123,075	4 1/2	133,934	4 1/2	144,794	4 1/2	149,170	4 1/2	4 1/2
4 3/4	90,721	4 3/4	101,581	4 3/4	112,441	4 3/4	123,301	4 3/4	134,161	4 3/4	145,021	4 3/4	149,177	4 3/4	4 3/4
5	90,948	5	101,807	5	112,667	5	123,527	5	134,387	5	145,254	5	149,184	5	5
5 1/4	91,174	5 1/4	102,034	5 1/4	112,894	5 1/4	123,753	5 1/4	134,613	5 1/4	145,488	5 1/4	149,191	5 1/4	5 1/4
5 1/2	91,400	5 1/2	102,260	5 1/2	113,120	5 1/2	123,980	5 1/2	134,839	5 1/2	145,721	5 1/2	149,198	5 1/2	5 1/2
5 3/4	91,626	5 3/4	102,486	5 3/4	113,346	5 3/4	124,206	5 3/4	135,066	5 3/4	145,956	5 3/4	149,205	5 3/4	5 3/4
6	91,853	6	102,712	6	113,572	6	124,432	6	135,292	6	146,191	6	149,212	6	6
6 1/4	92,079	6 1/4	102,939	6 1/4	113,798	6 1/4	124,658	6 1/4	135,518	6 1/4	146,427	6 1/4	149,219	6 1/4	6 1/4
6 1/2	92,305	6 1/2	103,165	6 1/2	114,025	6 1/2	124,885	6 1/2	135,744	6 1/2	146,663	6 1/2	149,226	6 1/2	6 1/2
6 3/4	92,531	6 3/4	103,391	6 3/4	114,251	6 3/4	125,111	6 3/4	135,971	6 3/4	146,899	6 3/4	149,233	6 3/4	6 3/4
7	92,758	7	103,617	7	114,477	7	125,337	7	136,197	7	147,135	7	149,240	7	7
7 1/4	92,984	7 1/4	103,844	7 1/4	114,703	7 1/4	125,563	7 1/4	136,423	7 1/4	147,371	7 1/4	149,247	7 1/4	7 1/4
7 1/2	93,210	7 1/2	104,070	7 1/2	114,930	7 1/2	125,790	7 1/2	136,649	7 1/2	147,607	7 1/2	149,254	7 1/2	7 1/2
7 3/4	93,436	7 3/4	104,296	7 3/4	115,156	7 3/4	126,016	7 3/4	136,876	7 3/4	147,843	7 3/4	149,261	7 3/4	7 3/4
8	93,663	8	104,522	8	115,382	8	126,242	8	137,102	8	148,079	8	149,268	8	8
8 1/4	93,889	8 1/4	104,749	8 1/4	115,608	8 1/4	126,468	8 1/4	137,328	8 1/4	148,315	8 1/4	149,275	8 1/4	8 1/4
8 1/2	94,115	8 1/2	104,975	8 1/2	115,835	8 1/2	126,695	8 1/2	137,554	8 1/2	148,551	8 1/2	149,282	8 1/2	8 1/2
8 3/4	94,341	8 3/4	105,201	8 3/4	116,061	8 3/4	126,921	8 3/4	137,781	8 3/4	148,787	8 3/4	149,289	8 3/4	8 3/4
9	94,568	9	105,427	9	116,287	9	127,147	9	138,007	9	149,023	9	149,296	9	9
9 1/4	94,794	9 1/4	105,654	9 1/4	116,513	9 1/4	127,373	9 1/4	138,233	9 1/4	149,259	9 1/4	149,303	9 1/4	9 1/4
9 1/2	95,020	9 1/2	105,880	9 1/2	116,740	9 1/2	127,600	9 1/2	138,459	9 1/2	149,495	9 1/2	149,310	9 1/2	9 1/2
9 3/4	95,246	9 3/4	106,106	9 3/4	116,966	9 3/4	127,826	9 3/4	138,686	9 3/4	149,731	9 3/4	149,317	9 3/4	9 3/4
10	95,472	10	106,332	10	117,192	10	128,052	10	138,912	10	149,971	10	149,324	10	10
10 1/4	95,699	10 1/4	106,559	10 1/4	117,418	10 1/4	128,278	10 1/4	139,138	10 1/4	150,212	10 1/4	149,331	10 1/4	10 1/4
10 1/2	95,925	10 1/2	106,785	10 1/2	117,645	10 1/2	128,505	10 1/2	139,364	10 1/2	150,453	10 1/2	149,338	10 1/2	10 1/2
10 3/4	96,151	10 3/4	107,011	10 3/4	117,871	10 3/4	128,731	10 3/4	139,591	10 3/4	150,695	10 3/4	149,345	10 3/4	10 3/4
11	96,377	11	107,237	11	118,097	11	128,957	11	139,817	11	150,937	11	149,352	11	11
11 1/4	96,604	11 1/4	107,464	11 1/4	118,323	11 1/4	129,183	11 1/4	140,043	11 1/4	151,179	11 1/4	149,359	11 1/4	11 1/4
11 1/2	96,830	11 1/2	107,690	11 1/2	118,550	11 1/2	129,410	11 1/2	140,269	11 1/2	151,421	11 1/2	149,366	11 1/2	11 1/2
11 3/4	97,056	11 3/4	107,916	11 3/4	118,776	11 3/4	129,636	11 3/4	140,496	11 3/4	151,663	11 3/4	149,373	11 3/4	11 3/4
12	97,282	12	108,142	12	119,002	12	129,862	12	140,722	12	151,905	12	149,380	12	12
12 1/4	97,509	12 1/4	108,369	12 1/4	119,228	12 1/4	130,088	12 1/4	141,174	12 1/4	152,147	12 1/4	149,387	12 1/4	12 1/4
12 1/2	97,735	12 1/2	108,595	12 1/2	119,455	12 1/2	130,315	12 1/2	141,419	12 1/2	152,389	12 1/2	149,394	12 1/2	12 1/2

STRAPPED: 8/4/92

CHAS. MARTIN CORPORATION

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 15'-0 1/4" (TO TOP OF BALL VALVE HATCH)

BARGE "IB 1022"

INGRAM BARGE LINES

SHEET NO. 2 OF 2
 TANK NUMBER:
3

HULL NO. 1592

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET		FEET	
IN.	97,986	IN.	110,010	IN.	122,034	IN.	133,946	IN.	145,445	IN.	156,542	IN.	0	IN.	0
1/2	98,236	1/2	110,260	1/2	122,284	1/2	134,189	1/2	145,679	1/2	156,771	1/2	1/4	1/4	1/4
1/4	98,487	1/4	110,511	1/4	122,535	1/4	134,432	1/4	145,913	1/4	157,001	1/4	1/2	1/2	1/2
3/4	98,737	3/4	110,761	3/4	122,785	3/4	134,675	3/4	146,147	3/4	157,230	3/4	3/4	3/4	3/4
1	98,988	1	111,012	1	123,036	1	134,918	1	146,380	1	157,459	1	1	1	1
1 1/4	99,238	1 1/4	111,262	1 1/4	123,286	1 1/4	135,161	1 1/4	146,614	1 1/4	157,689	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	99,489	1 1/2	111,513	1 1/2	123,537	1 1/2	135,404	1 1/2	146,848	1 1/2	157,918	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	99,739	1 3/4	111,763	1 3/4	123,787	1 3/4	135,647	1 3/4	147,082	1 3/4	158,147	1 3/4	1 3/4	1 3/4	1 3/4
2	99,990	2	112,014	2	124,038	2	135,890	2	147,316	2	158,377	2	2	2	2
2 1/4	100,240	2 1/4	112,264	2 1/4	124,288	2 1/4	136,133	2 1/4	147,550	2 1/4	158,606	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	100,491	2 1/2	112,515	2 1/2	124,539	2 1/2	136,376	2 1/2	147,784	2 1/2	158,836	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	100,741	2 3/4	112,765	2 3/4	124,789	2 3/4	136,619	2 3/4	148,018	2 3/4	159,052	2 3/4	2 3/4	2 3/4	2 3/4
3	100,992	3	113,016	3	125,040	3	136,862	3	148,252	3	159,269	3	3	3	3
3 1/4	101,242	3 1/4	113,266	3 1/4	125,290	3 1/4	137,105	3 1/4	148,485	3 1/4	159,485	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	101,493	3 1/2	113,517	3 1/2	125,541	3 1/2	137,348	3 1/2	148,719	3 1/2	159,702	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	101,743	3 3/4	113,767	3 3/4	125,790	3 3/4	137,587	3 3/4	148,950	3 3/4	159,893	3 3/4	3 3/4	3 3/4	3 3/4
4	101,994	4	114,018	4	126,039	4	137,827	4	149,181	4	160,084	4	4	4	4
4 1/4	102,244	4 1/4	114,268	4 1/4	126,288	4 1/4	138,067	4 1/4	149,412	4 1/4	160,275	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	102,495	4 1/2	114,519	4 1/2	126,537	4 1/2	138,307	4 1/2	149,643	4 1/2	160,467	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	102,745	4 3/4	114,769	4 3/4	126,786	4 3/4	138,547	4 3/4	149,874	4 3/4	160,632	4 3/4	4 3/4	4 3/4	4 3/4
5	102,996	5	115,020	5	127,035	5	138,787	5	150,105	5	160,798	5	5	5	5
5 1/4	103,246	5 1/4	115,270	5 1/4	127,284	5 1/4	139,027	5 1/4	150,335	5 1/4	160,964	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	103,497	5 1/2	115,521	5 1/2	127,533	5 1/2	139,267	5 1/2	150,566	5 1/2	161,129	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	103,747	5 3/4	115,771	5 3/4	127,782	5 3/4	139,507	5 3/4	150,797	5 3/4	161,269	5 3/4	5 3/4	5 3/4	5 3/4
6	103,998	6	116,022	6	128,031	6	139,747	6	151,028	6	161,410	6	6	6	6
6 1/4	104,248	6 1/4	116,272	6 1/4	128,280	6 1/4	139,987	6 1/4	151,259	6 1/4	161,550	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	104,499	6 1/2	116,523	6 1/2	128,529	6 1/2	140,227	6 1/2	151,490	6 1/2	161,690	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	104,749	6 3/4	116,773	6 3/4	128,778	6 3/4	140,467	6 3/4	151,721	6 3/4	161,805	6 3/4	6 3/4	6 3/4	6 3/4
7	105,000	7	117,024	7	129,027	7	140,707	7	151,952	7	161,919	7	7	7	7
7 1/4	105,250	7 1/4	117,274	7 1/4	129,276	7 1/4	140,946	7 1/4	152,182	7 1/4	162,034	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	105,501	7 1/2	117,525	7 1/2	129,525	7 1/2	141,186	7 1/2	152,413	7 1/2	162,149	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	105,751	7 3/4	117,775	7 3/4	129,771	7 3/4	141,423	7 3/4	152,643	7 3/4	162,238	7 3/4	7 3/4	7 3/4	7 3/4
8	106,002	8	118,026	8	130,017	8	141,660	8	152,872	8	162,327	8	8	8	8
8 1/4	106,252	8 1/4	118,276	8 1/4	130,263	8 1/4	141,897	8 1/4	153,101	8 1/4	162,416	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	106,503	8 1/2	118,527	8 1/2	130,509	8 1/2	142,134	8 1/2	153,331	8 1/2	162,505	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	106,753	8 3/4	118,777	8 3/4	130,755	8 3/4	142,371	8 3/4	153,560	8 3/4	162,569	8 3/4	8 3/4	8 3/4	8 3/4
9	107,004	9	119,028	9	131,001	9	142,608	9	153,790	9	162,633	9	9	9	9
9 1/4	107,254	9 1/4	119,278	9 1/4	131,246	9 1/4	142,845	9 1/4	154,019	9 1/4	162,697	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	107,505	9 1/2	119,529	9 1/2	131,492	9 1/2	143,082	9 1/2	154,248	9 1/2	162,760	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	107,755	9 3/4	119,779	9 3/4	131,738	9 3/4	143,319	9 3/4	154,478	9 3/4	162,799	9 3/4	9 3/4	9 3/4	9 3/4
10	108,006	10	120,030	10	131,984	10	143,556	10	154,707	10	162,837	10	10	10	10
10 1/4	108,256	10 1/4	120,280	10 1/4	132,230	10 1/4	143,792	10 1/4	154,936	10 1/4	162,875	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	108,507	10 1/2	120,531	10 1/2	132,476	10 1/2	144,029	10 1/2	155,166	10 1/2	162,913	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	108,757	10 3/4	120,781	10 3/4	132,722	10 3/4	144,266	10 3/4	155,395	10 3/4	162,926	10 3/4	10 3/4	10 3/4	10 3/4
11	109,008	11	121,032	11	132,968	11	144,503	11	155,624	11	162,939	11	11	11	11
11 1/4	109,258	11 1/4	121,282	11 1/4	133,214	11 1/4	144,740	11 1/4	155,854	11 1/4	162,951	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	109,509	11 1/2	121,533	11 1/2	133,460	11 1/2	144,977	11 1/2	156,083	11 1/2	162,964	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	109,759	11 3/4	121,783	11 3/4	133,703	11 3/4	145,211	11 3/4	156,313	11 3/4	162,964	11 3/4	11 3/4	11 3/4	11 3/4

CHAS. MARTIN CORPORATION
S. Linnell

GAUGE HEIGHT: 14'-10" (TO TOP OF BALL VALVE HATCH)

CAPACITY IN: U.S. GALLONS

STRAPPED: 8/4/92

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

BARGE "B 1022"

INGRAM BARGE LINES

SHEET NO. 1 OF 2
 TANK NUMBER:
2

HULL NO. 1592

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	FEET
IN. 0	IN. 0	IN. 0	IN. 0	IN. 0	IN. 0	IN. 0	IN. 0	IN. 0
266	492	11,552	22,210	33,028	43,662	54,522	65,382	76,241
11,125	11,578	22,660	33,481	44,341	55,201	66,060	76,920	87,780
11,250	12,257	23,111	33,933	44,793	55,653	66,513	77,373	88,233
1,397	1,597	23,536	34,160	45,019	55,879	66,739	77,599	88,459
1,849	12,935	23,562	34,386	45,246	56,106	66,966	77,826	88,686
2,076	2,935	23,787	34,612	45,472	56,332	67,192	78,051	88,911
2,502	3,162	24,013	34,838	45,698	56,558	67,418	78,278	89,148
2,528	3,388	24,238	35,065	45,924	56,784	67,644	78,504	89,374
2,754	3,614	24,463	35,291	46,151	57,011	67,870	78,730	89,600
2,981	3,840	24,689	35,517	46,377	57,237	68,097	78,956	90,000
3,207	4,067	24,914	35,743	46,603	57,463	68,323	79,183	90,400
3,433	4,293	25,139	35,970	46,829	57,689	68,549	79,409	90,800
3,659	4,519	25,365	36,196	47,056	57,915	68,775	79,635	91,200
3,886	4,745	25,590	36,422	47,282	58,142	69,002	79,861	91,600
4,112	4,972	25,815	36,648	47,508	58,368	69,228	80,088	92,000
4,338	5,198	26,041	36,875	47,734	58,594	69,454	80,314	92,400
4,564	5,424	26,266	37,101	47,961	58,820	69,680	80,540	92,800
4,791	5,650	26,491	37,327	48,187	59,047	69,907	80,766	93,200
5,017	5,877	26,717	37,553	48,413	59,273	70,133	80,993	93,600
5,243	6,103	26,942	37,780	48,639	59,499	70,359	81,219	94,000
5,469	6,329	27,167	38,006	48,866	59,725	70,585	81,445	94,400
5,695	6,555	27,393	38,232	49,092	59,952	70,812	81,671	94,800
5,922	6,782	27,618	38,458	49,318	60,178	71,038	81,898	95,200
6,148	7,008	27,843	38,684	49,544	60,404	71,264	82,124	95,600
6,374	7,234	28,069	38,911	49,771	60,630	71,490	82,350	96,000
6,600	7,460	28,294	39,137	49,997	60,857	71,717	82,576	96,400
6,827	7,687	28,520	39,363	50,223	61,083	71,943	82,803	96,800
7,053	7,913	28,745	39,589	50,449	61,309	72,169	83,029	97,200
7,279	8,139	28,970	39,816	50,676	61,535	72,395	83,255	97,600
7,505	8,365	29,196	40,042	50,902	61,762	72,622	83,481	98,000
7,732	8,592	29,421	40,268	51,128	61,988	72,848	83,708	98,400
7,958	8,818	29,646	40,494	51,354	62,214	73,074	83,934	98,800
8,184	9,044	29,872	40,721	51,581	62,440	73,300	84,160	99,200
8,410	9,270	30,097	40,947	51,807	62,667	73,527	84,386	99,600
8,637	9,497	30,322	41,173	52,033	62,893	73,753	84,613	100,000
8,863	9,723	30,548	41,399	52,259	63,119	73,979	84,839	
9,089	9,949	30,773	41,626	52,486	63,345	74,205	85,065	
9,315	10,175	30,998	41,852	52,712	63,572	74,432	85,291	
9,542	10,402	31,224	42,078	52,938	63,798	74,658	85,518	
9,768	10,628	31,449	42,304	53,164	64,024	74,884	85,744	
9,994	10,854	31,674	42,531	53,391	64,250	75,110	85,970	
10,220	11,080	31,900	42,757	53,617	64,477	75,337	86,196	
10,447	11,307	32,125	42,983	53,843	64,703	75,563	86,423	
10,673	11,533	32,350	43,209	54,069	64,929	75,789	86,649	
10,899	11,759	32,576	43,436	54,296	65,155	76,015	86,875	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 15'-0 1/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 8/4/92

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

Chas. Martin
CHAS. MARTIN CORPORATION