METHODS OF SAMPLING AND TESTING MT 604-04 CONVERSION TABLES

7.5 gal. water	=	1 cu. ft.	1 cu. in.	=	0.000579 cu. ft.
1 cu. ft. water	=	62.4 lbs.	1 cu. ft.	=	1728 cu. in.
3785 cc water	=	1 gal.	1 cu. yd.	=	27 cu. ft.
8.32 lbs. Water @ 25°c	=	1 gal.	1 cu. meter	=	35.31445 cu. ft.
231 cu. in. water	=	1 gal.	1 cu. centimeter	=	0.0000353 cu. ft.
1728 cu. in. water	=	1 cu. ft.			

Weight Measurements

1 oz.	=	28.35 grams
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1 lb. = 453.59 grams = 0.454 kilograms

1 oz. = 0.0625 lbs. 1 lb. = 16 oz.

1 kilogram = 2.2 lb. = 1000 grams

Length Measurements Area

1 in.	= 0.0833 ft.	= 2.54 cm.	Circle	=	3.1416 * R ²
1 yd.	= 3 ft.	= 36 in.	1 sq. mile	=	640 acres
1 rod	= 16.5 ft.	= 198 in.	1 acre	=	43560 sq. ft.
1 chain	= 66 ft.	= 792 in.	1 sq. yd.	=	9 sq. ft.
1 mile	= 5280 ft.	= 1760 yd.	1 sq. yd.	=	1296 sq. in.
1 cm	= 0.032808 ft.	= 0.3937 in.	1 sq. ft.	=	144 sq. in.

Estimated Equivalents

1 cu. ft. concrete = 150 lbs.

1 cu. ft. clay, undisturbed = 110 lbs. dry; 135 lbs. wet

1 cu. ft. sand = 100 lbs. loose; 115 lbs. consolidated

1 cu. yd. compacted clay = 3500 lbs. (wet weight)

1 cu.yd. compacted stabilized gravel = 3800 lbs.

cu. yds. * 1.9 = tons compacted stabilized gravel

1 mile * 1 ft. * 1 in. compacted stabilized gravel = 30.8 tons

Miscellaneous

miles per hour feet per min. cu. ft. per min. gal. per second