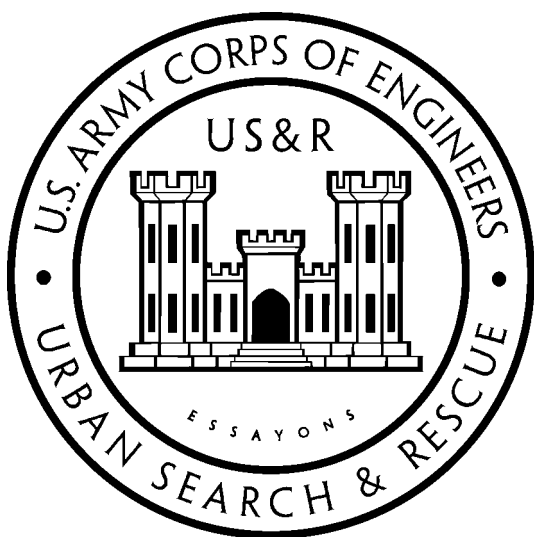


**Urban Search & Rescue
Structures Specialist
FIELD OPERATIONS GUIDE**



US&R STRUCTURES SPECIALIST FOG CONVERSION TABLES

<u>to obtain</u>	<u>by</u>	<u>Multiply</u>
acres	43,560	acres
acres	4047	acres
atmospheres	14.70	atmospheres
BTU	777.5	BTU
BTU	2.928 x 10 ⁻⁴	BTU
bushels	1.244	bushels
cubic feet	62.43	cubic feet
cubic feet	1728	cubic feet
cubic feet	7.481	cubic feet
cubic feet per min	0.1247	cubic feet per min
cubic yards	27	cubic yards
degrees (angle)	0.01745	degrees (angle)
feet of water	62.43	feet of water
gallons	8.345	gallons
gallons per minute	0.06308	gallons per minute
gallons per minute	2.228 x 10 ⁻³	gallons per minute
liters per second	33,000	liters per second
ft-pounds per min.	0.7457	horse-power
kilowatts	5280	miles
feet	44.70	miles per hour
cm per sec.	1.467	miles per hour
feet per second	28.87	pints (liq.)
cubic inches	453.6	pounds
grams	16.02	pounds per cubic ft
kgs. per cubic m	4.882	pounds per sq. foot
kgs. per sq. meter	703.1	pounds per sq. in.
kgs. per sq. meter	144	square feet
square inches	640	square miles
acres	27.88 x 10 ⁶	square miles
square feet	1.8	temp (deg C) +17.8
temp (deg Fahr.)	5/9	temp (deg F) -32
temp (deg Cent.)	2240	tons (long)
pounds	2000	tons (short)
pounds		

ENGLISH TO METRIC

To convert

into

multiply by

Lengths

inches	mm	25.4
inches	cm	2.54
inches	meters	0.0254
feet	meters	0.3048
yards	km	914.4
yards	meters	0.9144
miles	km	1.609

Surfaces

square inches	cm ²	6.452
square feet	m ²	0.0929
square yards	m ²	0.8361
square miles	km ²	2.59
acres	hectares	0.4047

Volumes

cubic inches	cm ³	16.387
cubic inches	liters	0.016387
cubic feet	m ³	0.028317
cubic feet	liters	28.317
cubic yards	m ³	0.7646
liquid ounces	cm ³	29.57
gallons (U.S.A.)	m ³	0.003785
gallons (U.S.A.)	liters	3.785
teaspoons	ml	5.0
tablespoons	ml	15.0
fluid ounces	ml	30.0
cups	liters	0.24
pints	liters	0.47
quarts	liters	0.95

Weights

grains	grams	0.0648
ounces	grams	28.35
ounces	kg	0.02835
pounds	kg	0.4536
pounds	tons (metric)	0.000454
tons (U.S.A.)	kg	907.2
tons (U.S.A.)	tons (metric)	0.9072
tons (long)	kg	1016.0
tons (long)	tons (metric)	1.0160

