

**EXPONENTIAL NOTATION:** Many values in the text and tables of this document are expressed in exponential notation. An exponent is the power to which the expression, or number, is raised. This form of notation is used to conserve space and to focus attention on comparisons of the order of magnitude of the numbers (see examples):

$1 \times 10^4$	=	10,000
$1 \times 10^2$	=	100
$1 \times 10^0$	=	1
$1 \times 10^{-2}$	=	0.01
$1 \times 10^{-4}$	=	0.0001

**Metric Conversions Used in this Document**

<b>Multiply</b>	<b>By</b>	<b>To Obtain</b>
<b>Length</b>		
inch (in.)	2.54	centimeters (cm)
feet (ft)	0.30	meters (m)
yards (yd)	0.91	meters (m)
miles (mi)	1.61	kilometers (km)
<b>Area</b>		
Acres (ac)	0.40	hectares (ha)
square feet (ft <sup>2</sup> )	0.09	square meters (m <sup>2</sup> )
square yards (yd <sup>2</sup> )	0.84	square meters (m <sup>2</sup> )
square miles (mi <sup>2</sup> )	2.59	square kilometers (km <sup>2</sup> )
<b>Volume</b>		
Gallons (gal.)	3.79	liters (L)
cubic feet (ft <sup>3</sup> )	0.03	cubic meters (m <sup>3</sup> )
cubic yards (yd <sup>3</sup> )	0.76	cubic meters (m <sup>3</sup> )
<b>Weight</b>		
Ounces (oz)	29.57	milliliters (ml)
pounds (lb)	0.45	kilograms (kg)
short ton (ton)	0.91	metric ton (t)