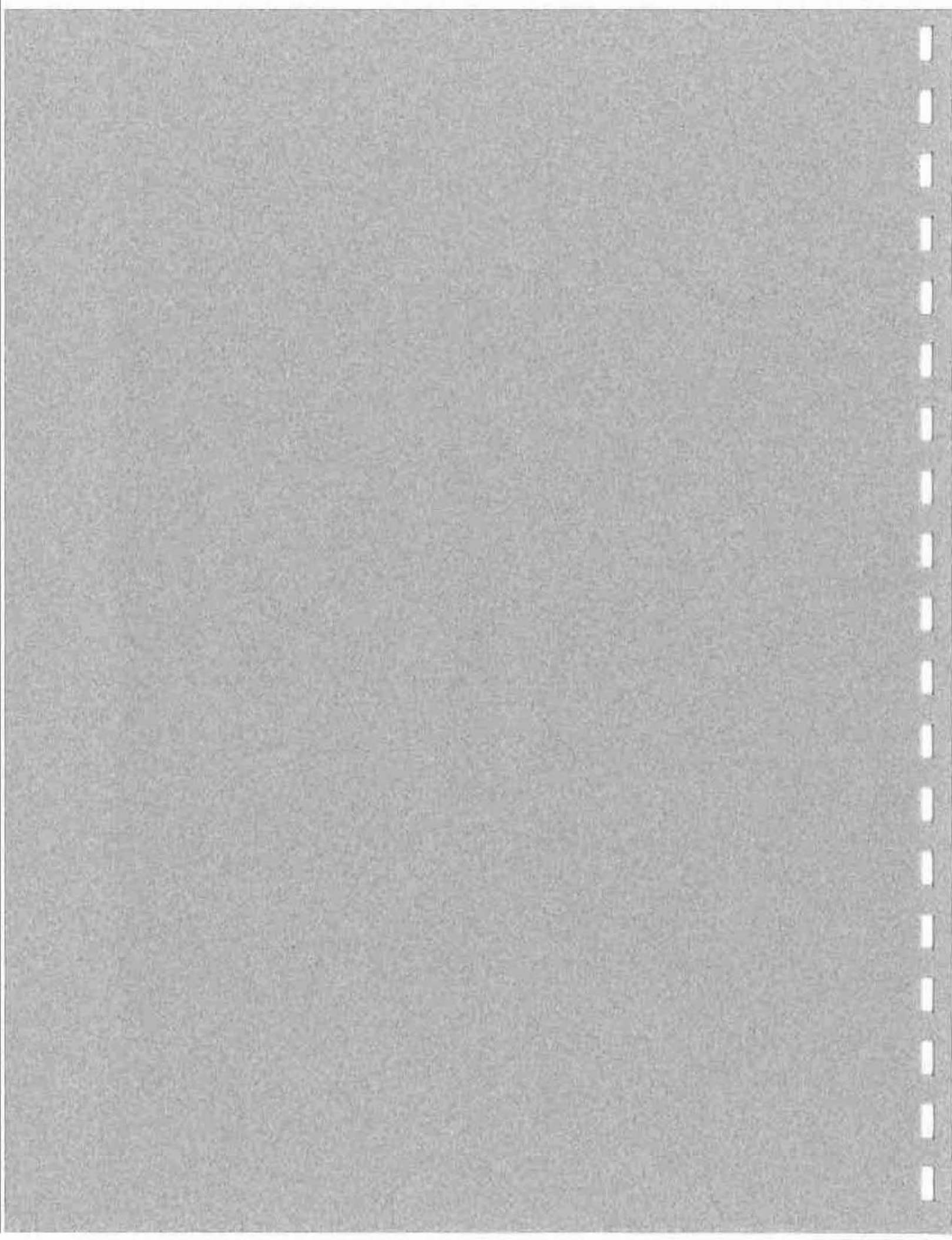


**Appendix F. Common Conversion Factors to Metric Units**



## Common Conversion Factors to Metric Units

Class	Multiply:	By:	To Get:
Area	acre	4047.0	m <sup>2</sup>
	acre	0.4047	ha (10 000 m <sup>2</sup> )
	ft <sup>2</sup>	0.0929	m <sup>2</sup>
	yd <sup>2</sup>	0.8361	m <sup>2</sup>
	mi <sup>2</sup>	2.590	km <sup>2</sup>
Length	ft	0.3048 *	m
	in	25.4 *	mm
	mi	1.6093	km
	yd	0.9144 *	m
Volume	ft <sup>3</sup>	0.0283	m <sup>3</sup>
	gal	3.785	L **
	fl oz	29.574	mL **
	yd <sup>3</sup>	0.7646	m <sup>3</sup>
	acre ft	1233.49	m <sup>3</sup>
Mass	oz	28.35	g
	lb	0.4536	kg
	kip (1,000 lb)	0.4536	tonne (1000 kg)
	short ton (2,000 lb)	907.2	kg
	short ton	0.9072	tonne (1000 kg)
Density	lb/yd <sup>3</sup>	0.5933	kg/m <sup>3</sup>
	lb/ft <sup>3</sup>	16.0185	kg/m <sup>3</sup>
Pressure	psi	6894.7	Pa
	ksi	6.8947	MPa (N/mm <sup>2</sup> )
	lb/ft <sup>2</sup>	47.88	Pa
Velocity	ft/s	0.3048 *	m/s
	mi/h	0.4470	m/s
	mi/h	1.6093	km/h
Light	footcandle (lumen/ft <sup>2</sup> )	10.764	lux (lx) (lumen/m <sup>2</sup> )
Temperature	°F	$t_{°C} = (t_{°F} - 32) / 1.8$	°C

\* Exact

\*\* Both "L" and "l" may be used for liter. However, "L" is preferred so as not to be confused with the numeral "1".

