

Appendix E. Metric conversion table

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain metric unit</u>
inch	25.4	millimetre (mm)
foot (ft)	0.3048	metre (m)
foot per mile (ft/mi)	0.1894	metre per kilometre (m/km)
mile (mi)	1.609	kilometre (km).
pound -----	0.45	---- kilogram (kg)
square foot (ft ²)	0.0929	square metre (m ²)
square mile (mi ²)	2.590	square kilometre (km ²)
acre	0.405	hectare (ha)
acre-foot (acre-ft)	1,233	cubic metre (m ³)
gallon (gal) -----	3.785	---- litre (l)
	0.003785	cubic metre(m ³)
cubic foot (ft ³)	0.0283	cubic metre (m ³)
acre-foot per square mile (acre-ft/mi ²)	476	cubic metre per square kilometre (m ³ /)km ²)
gallon per minute (gal/min)	6.309x10 ⁻⁵	cubic metre per second (m ³ /s)
cubic foot per second per square mile [(ft ³ /s)/mi ²]	0.0109	cubic metre per second per square kilometre [(m ³ /s)/km ²]
ft per year (ft/yr) -----	9.7x10 ⁻⁷	--- centimetres per second (cm/s)
gallon per day per square foot (gal/d/ft ²)	4.716x10 ⁻⁵	centimetre per second (cm/s)
ton (short)	0.9072	metric ton (t)
gallon per day per foot (gal/d/ft)	1.433x10 ⁻³	square centimetre per second (cm ² /s)
pound per cubic foot (lb/ft ³)	16.05	kilogram per cubic metre (kg/m ³)
pounds per square inch (psi)	0.07	kilograms per square centimetre (kg/cm ²)