Gas Resource Density—Conversion Factors

Convert From: ↓		Convert To: cubic centimeters per square cm (cm_g^3/cm_r^2)	cubic meters per hectare (m^3/ha)	million cubic meters per square km (MMm^3/km^2)	thousand cubic feet per acre (MCF/ac)	million cubic feet per 80 acres (MMCF/80 ac)	billion cubic feet per square mile (BCF/mi^2)
		Multiply By:					
cubic cm per square cm	cm_g^3/cm_r^2	1	100	0.01	1.429	0.1143	9.146×10^{-4}
cubic meters per hectare	m^3/ha	0.01	1	10^{-4}	1.429×10^{-2}	1.143×10^{-3}	9.146×10^{-6}
million cubic meters per square km	MMm^3/km^2	100	10^4	1	142.9	11.43	9.146×10^{-2}
thousand cubic feet per acre	MCF/ac	0.6997	69.97	6.997×10^{-3}	1	0.08	6.400×10^{-4}
million cubic feet per 80 acres	MMCF/ 80 ac	8.747	874.7	8.747×10^{-2}	12.5	1	0.008
billion cubic feet per square mile	BCF/mi^2	1,093	1.093×10^5	10.93	1,562	125	1

Basic GRD Calculation:

	Net Reservoir Thickness	(cm)
x	Gas Content	(cm^3/g)
x	Density	(g/cm^3)
=	Gas Resource Density	(cm^3/cm^2)

All parameters must be on the *same* measurement basis with respect to ash.

Example: To convert cm^3/cm^2 to MCF/ac, multiply by 1.429

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