

APPENDIX G

MEASUREMENT EQUIVALENTS

LINEAL MEASUREMENT EQUIVALENTS

Units	Mile	Feet	Inches	Chains	Meters	Kilometers
1.0 mile.....	.....	5,280	63,360	80	1,609.3	1.6093
1.0 chain.....	0.0125	66	792	.....	20.12	.0201
1.0 meter.....	.0006	3.281	39.37	.0497	.....	.001
1.0 kilometer.....	.6214	3,280.800	39,369.6	49.7	1,000.0	.....
1.0 foot.....	.0002	.....	12	.015	.3048	.0003
1.0 rod, perch or pole.....	.0031	16½	198	.25	5.0292	.0050

AREA MEASUREMENT EQUIVALENTS

Units	Square mile	Square feet	Square chains	Acres
1.0 square mile.....	.....	27,878,400	6,400	640
1.0 square foot.....	.....	.....	.00023	0.00002
1.0 square chain.....	0.000156	4,356	.....	.1
1.0 acre.....	00156	43,560	10.	.....
1.0 hectare.....	.0037	107,638.7	24.710	2.471

CONVERSION FACTORS, U. S. CUSTOMARY TO METRIC (SI) AND METRIC (SI) TO U. S. CUSTOMARY UNITS OF MEASUREMENT

Multiply	By	To Obtain
U. S. Customary to Metric (SI)		
inches	2.54	centimeters
feet	0.3048	metres
yards	0.9144	metres
miles (U. S. statute)	1.609344	kilometres
square inches	6.4516	square centimetres
square feet	0.09290304	square metres
square yards	0.8361274	square metres
acres	0.004047	square kilometres
acres	0.4047	hectares
cubic yards	0.7645549	cubic metres
cubic feet per second	0.02831685	cubic metres per second
pounds (mass)	0.4535924	kilograms
tons (short)	907.1847	kilograms
inches per hour	0.04234	centimetres per minute
feet per second	0.3048	metres per second
degrees (angular)	0.01745329	radians
Metric (SI) to U. S. Customary		
centimetres	0.3937007	inches
metres	3.280839	feet
kilometres	0.6213711	miles (U. S. statute)
square centimetres	0.1550	square inches
square metres	0.00025	acres
square kilometres	247.105	acres
hectares	2.471	acres
kilograms	2.204622	pounds (mass)