

Baseline and Projected Future Carbon Storage and Carbon Fluxes in Ecosystems of Hawai'i

Edited by Paul C. Selmants, Christian P. Giardina, James D. Jacobi, and Zhiliang Zhu

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RYAN K. ZINKE, Secretary

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Conversion Factors

Multiply	By	To obtain
Length		
centimeter (cm)	0.3937	inch (in.)
millimeter (mm)	0.03937	inch (in.)
meter (m)	3.281	foot (ft)
kilometer (km)	0.6214	mile (mi)
kilometer (km)	0.5400	mile, nautical (nmi)
meter (m)	1.094	yard (yd)
Area		
square meter (m ²)	0.0002471	acre
hectare (ha)	2.471	acre
square kilometer (km ²)	247.1	acre
square centimeter (cm ²)	0.001076	square foot (ft ²)
square meter (m ²)	10.76	square foot (ft ²)
square centimeter (cm ²)	0.1550	square inch (in ²)
hectare (ha)	0.003861	square mile (mi ²)
square kilometer (km ²)	0.3861	square mile (mi ²)
Volume		
cubic meter (m ³)	6.290	barrel (petroleum, 1 barrel = 42 gal)
liter (L)	33.81402	ounce, fluid (fl. oz)
liter (L)	2.113	pint (pt)
liter (L)	1.057	quart (qt)
liter (L)	0.2642	gallon (gal)
cubic meter (m ³)	264.2	gallon (gal)
cubic meter (m ³)	0.0002642	million gallons (Mgal)
cubic centimeter (cm ³)	0.06102	cubic inch (in ³)
cubic meter (m ³)	35.31	cubic foot (ft ³)
cubic meter (m ³)	1.308	cubic yard (yd ³)
cubic meter (m ³)	0.0008107	acre-foot (acre-ft)
cubic meter (m ³)	6.290	barrel (petroleum, 1 barrel = 42 gal)
Flow rate		
cubic meter per day (m ³ /d)	35.31	cubic foot per day (ft ³ /d)
cubic meter per day (m ³ /d)	264.2	gallon per day (gal/d)
Mass		
gram (g)	0.03527	ounce, avoirdupois (oz)
kilogram (kg)	2.205	pound avoirdupois (lb)
metric ton (t)	1.102	ton, short [2,000 lb]
metric ton (t)	0.9842	ton, long [2,240 lb]

Datum and Supplemental Information

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

Temperature in degrees Celsius ($^{\circ}\text{C}$) may be converted to degrees Fahrenheit ($^{\circ}\text{F}$) as

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32.$$

Pixel resolution in spatial datasets follows the format “ n -meter resolution,” where n is a numerical value corresponding to the length of one side of a square pixel. A square pixel with length n for each side covers an area of n meters \times n meters.

Conversion of Megagrams, Gigagrams, Teragrams, and Petagrams to Metric Tons

1 megagram (Mg)	=	1 million grams (10^6 g)	=	1 metric ton (t)
1 gigagram (Gg)	=	1 billion grams (10^9 g)	=	1,000 metric tons
1 teragram (Tg)	=	1 trillion grams (10^{12} g)	=	1 million metric tons (Mt)
1 petagram (Pg)	=	1 quadrillion grams (10^{15} g)	=	1 billion metric tons (Gt)