

# **Consumptive Water-Use Coefficients for the Great Lakes Basin and Climatically Similar Areas**

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National Water Availability and Use Program

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## Conversion Factors and Abbreviations

Multiply	By	To obtain
Length		
inch (in.)	2.54	centimeter (cm)
inch per year (in/yr)	25.4	millimeter per year (mm/yr)
Area		
square mile (mi <sup>2</sup> )	259.0	hectare (ha)
square mile (mi <sup>2</sup> )	2.590	square kilometer (km <sup>2</sup> )
Volume		
gallon (gal)	3.785	liter (L)
million gallons (Mgal)	3,785	cubic meter (m <sup>3</sup> )
billion gallons (Ggal)	0.3785	cubic hectometer (hm <sup>3</sup> )
cubic meter (m <sup>3</sup> )	0.0008107	acre-foot (acre-ft)
million cubic meters (Mm <sup>3</sup> )	810.7	acre-foot (acre-ft)
Rate		
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second (m <sup>3</sup> /s)
gallon per day (gal/d)	0.003785	cubic meter per day (m <sup>3</sup> /d)
gallon per kilowatthour (gal/kWh)	0.003785	cubic meter per day (m <sup>3</sup> /kWh)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m <sup>3</sup> /s)
billion gallons per day (Ggal/d)	43.81	cubic meter per second (m <sup>3</sup> /s)
cubic kilometer per year (km <sup>3</sup> /yr)	0.2399	cubic mile per year (mi <sup>3</sup> /yr)
million liters per hectare (ML/ha)	0.1069	million gallons per acre (Mgal/acre)

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8$$

Electricity-generation rates are given in kilowatthours (kWh) and gigawatthours (GWh).

### Additional abbreviations used in this report

Circular	Refers to one or a group of U.S. Geological Survey reports titled "Estimated Water use in the United States in [year]" that were published every 5 years from 1950 to 2000.
GLC	Great Lakes Commission
HUC	Hydrologic Unit Code
IJC	International Joint Commission
NAICS	North American Industrial Classification System
SIC	Standard Industrial Classification
USGS	U.S. Geological Survey