

Water Unit Conversions

For Volumes, Flow Rates, and Values
(to 7 significant digits)

Volumes

	<u>acre-foot</u>	<u>1000 gal</u>	<u>100 f³</u>	<u>1000 m³</u>
1 acre-foot =	1	325.8514	435.6000	1.233482
1000 gal =	0.003068883	1	1.336806	0.003785412
100 f ³ =	0.002295684	0.7480519	1	0.002831685
1000 m ³ =	0.8107132	264.1721	353.1467	1

Flows

	<u>af/yr</u>	<u>gpm</u>	<u>f³/s</u>	<u>m³/s</u>
1 af/yr =	1	0.6195365	0.001380333	0.00003908668
1 gpm =	1.614110	1	0.002228009	0.00006309020
1 f ³ /s =	724.4628	448.8312	1	0.02831685
1 m ³ /s =	25584.16	15850.32	35.31467	1

1 million gallons per day (mgd) = 1120.910 af/yr

Values

	<u>\$/af</u>	<u>\$/1000 gal</u>	<u>\$/100 f³</u>	<u>\$/1000 m³</u>
\$1/af =	1	0.003068883	0.002295684	0.8107132
\$1/1000 gal =	325.8514	1	0.7480519	264.1721
\$1/100 f ³ =	435.6000	1.336806	1	353.1467
\$1/1000 m ³ =	1.233482	0.003785412	0.002831685	1

Abbreviations

af = acre-feet

(1 acre = 0.4046856 hectares (10,000 m²))

af/yr = acre-feet per year

f³ = cubic feet

f³/s = cubic feet per second

m³ = cubic meters (1 m³ = 1000 liters)

m³/s = cubic meters per second

gal = gallons (U.S. liquid)

gpm = gallons per minute