

WATER CONVERSION FACTORS

CUBIC FEET PER SECOND (cfs)	ACRE FEET PER YEAR (af/yr)	ACRE FEET PER MONTH (af/mo)	MILLION GALLONS PER DAY (MGD)	GALLONS PER MINUTE (gpm)
1	2	3	4	5
1.00	724	60	0.65	449
1.38	1000	83	0.90	619
1.66	1200	100	1.08	745
2.23	1620	135	1.44	1000

1 cfs = 646,300 gallons per day (gpd)
= 449 gpm

1 af = 0.504 cfs - day (sfd)
= 0.326 million gallons (mg)

1 MGD = 1.55 cfs
= 694 gpm

1 sfd = 1.98 af
= 0.646 mg

1 gpm = 1440 gpd
= 0.0022 cfs

1 mg = 3.07 af
= 1.55 sfd

1 cubic foot = 7.48 gallons = 62.4 pounds of water

1 acre-foot = 43,560 cubic feet = 325,900 gallons

1 cfs = 646,300 gallons per day

for 24 hours 1.983 af

for 30 days 59.5 af

for 1 year 724.0 af

1 million gallons = 3.07 af

Colorado 38.4 inches = 1 cfs

1.0 inch = .026 cfs

448 gpm = 1 cfs