

WATER DISTRIBUTION IN THE U.S.

TYPE	VOLUME %	VOLUME OF ANNUAL CIRCULATION, %	AVG. DETENTION PERIOD, YEARS
GLACIERS	0.05	0.03	40
FRESHWATER LAKES	12.99	3.40	100
SALTWATER LAKES	0.04	0.10	10
AVG. IN STREAM CHANNELS	0.03	34.00	0.03
SHALLOW GROUND WATER (< ½ mi.)	43.23	5.67	200
DEEP GROUND WATER (> ½mi.)	43.23	0.11	10 000
SOIL MOISTURE (3 ft root zone)	0.43	56.69	0.20
	100.00	100.00	

AVERAGE DETENTION PERIOD = VOLUME%/VOLUME OF ANNUAL CIRCULATION

VOLUME% = TOTAL AMOUNT IN STORAGE IN GIVEN SOURCE

VOLUME OF ANNUAL CIRCULATION = TOTAL AMOUNT OF WATER AVAILABLE FROM GIVEN SOURCE WITHOUT DEPLETION OF SOURCE; I.E., ANNUAL TURNOVER

DISTRIBUTION OF INFLOW AND OUTFLOW

