



Computation of long-term annual renewable water resources (RWR) by country (in km³/year, average)

Armenia

Internal RWR		
Precipitation (mm/year)	[1]	562
Area of the country (1000 ha)	[2]	2 974
Precipitation (km ³ /year)	[3]	16.71 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	3.948
Groundwater: produced internally	[5]	4.311
Overlap between surface water and groundwater	[6]	1.4
Total internal renewable water resources	[7]	6.859 =([4]+[5]-[6]) (a)
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	0	
Inflow not submitted to treaties		[8] 0
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	1.82	[10] 0.91
Accounted inflow		[11] 0.91 =([8]+[9]+[10])
Surface water leaving the country	5.28 (b)	
Outflow not submitted to treaties		5.28
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 0.91 =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country		
Total external renewable water resources		[15] 0.91 =([13]+[14])
Total RWR		
Surface water	[16]	4.858 =([4]+[13])
Groundwater	[17]	4.311 =([5]+[14])
Overlap between surface water and groundwater	[6]	1.4
Total renewable water resources	[18]	7.769 =([16]+[17]-[6])
Dependency ratio (%)	[19]	11.71 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

(a) Total IRWR=6.859 (Surface water 3.248 and groundwater 3.611). However, in order to take into consideration an overlap (it was decided to keep the same overlap 1.4) 0.7 was added to both surface water and groundwater.

(b) Total outflow = IRWR->6.86 (Araks 5.62; Agstay 0.35 (to Azerbaijan); Debet 0.89 (to Georgia))Total outflow from Armenia to Araks border river 3.80 (Sevdjur 1.05; Razdam 0.70; Azat 0.19; Vedi 0.06; Arpa 0.69; Megri 0.09; Vokchi 0.33; Vorotan 0.69)