



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

Turkey

Internal RWR		
Precipitation (mm/year)	[1]	593
Area of the country (1000 ha)	[2]	78 535
Precipitation (km ³ /year)	[3]	465.7 = $\frac{[1]}{1000000} \times [2] \times 10$
Surface water: produced internally	[4]	186
Groundwater: produced internally	[5]	69
Overlap between surface water and groundwater	[6]	28
Total internal renewable water resources	[7]	227 = $[4]+[5]-[6]$
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	1.8	
Inflow not submitted to treaties		[8] 1.8
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	5.8	[10] 2.9
Accounted inflow		[11] 4.7 = $[8]+[9]+[10]$
Surface water leaving the country	60.12	
Outflow not submitted to treaties		41.22
Outflow submitted to treaties		15.75
Outflow secured through treaties		[12] 18.9
Total external renewable surface water		[13] -14.2 = $[11]-[12]$
<u>Groundwater</u>		
Groundwater entering the country	0	[14] -1.2
Groundwater leaving the country	11	11
Total external renewable water resources		[15] -15.4 = $[13]+[14]$
Total RWR		
Surface water		[16] 171.8 = $[4]+[13]$
Groundwater		[17] 67.8 = $[5]+[14]$
Overlap between surface water and groundwater		[6] 28
Total renewable water resources		[18] 211.6 = $[16]+[17]-[6]$
Dependency ratio (%)		[19] 1.518 = $\frac{100 \times ([11]+[14])}{([11]+[14]+[7])}$