



Computation of long-term annual renewable water resources (RWR) by country (in km<sup>3</sup>/year, average)

## Malawi

Internal RWR		
Precipitation (mm/year)	[1]	1 181
Area of the country (1000 ha)	[2]	11 848
Precipitation (km <sup>3</sup> /year)	[3]	139.9 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	16.14
Groundwater: produced internally	[5]	2.5
Overlap between surface water and groundwater	[6]	2.5 (a)
<b>Total internal renewable water resources</b>	[7]	16.14 =[4]+[5]-[6]
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	[b]	1
Inflow not submitted to treaties		[8] 1
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	[c]	0.14
Accounted inflow		[10] 0.14 (c)
		[11] 1.14 =[8]+[9]+[10]
Surface water leaving the country	[d]	16.98
Outflow not submitted to treaties		16.98
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 1.14 =[11]-[12]
<u>Groundwater</u>		
Groundwater entering the country		[14] 0
Groundwater leaving the country		0
<b>Total external renewable water resources</b>		[15] 1.14 =[13]+[14]
Total RWR		
Surface water	[16]	17.28 =[4]+[13]
Groundwater	[17]	2.5 =[5]+[14]
Overlap between surface water and groundwater	[6]	2.5 (a)
<b>Total renewable water resources</b>	[18]	17.28 =[16]+[17]-[6]
Dependency ratio (%)	[19]	6.597 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

(a) Overlap between surface water and groundwater is 100% of groundwater recharge; most of the groundwater is drained by the rivers (equivalent to the low flow of water courses), as Malawi is a humid landlocked country.

(b) FROM: United Republic of Tanzania: 0.14 (Lake Malawi [border- TZA/MWI]); Mozambique: 1 (Ruo)

(c) The shared lake at the border of Malawi has the Shire river as inflow(12.46) and Malawi contributes 12.32 herein. Thus, the difference between the inflow from a neighbouring country in the lake and what comes from Malawi is accounted (0.14)

(d) TO: Mozambique: 16.98 (Shire)