



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

## Namibia

Internal RWR		
Precipitation (mm/year)	[1]	285
Area of the country (1000 ha)	[2]	82 429
Precipitation (km <sup>3</sup> /year)	[3]	234.9 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	4.1
Groundwater: produced internally	[5]	2.1
Overlap between surface water and groundwater	[6]	0.04 (a)
<b>Total internal renewable water resources</b>	[7]	6.16 =[4]+[5]-[6]
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	11 (b)	
Inflow not submitted to treaties		[8] 10.95
Inflow submitted to treaties		0.05
Inflow secured through treaties		[9] 0.05 (c)
Flow in border rivers	53.86 (d)	[10] 22.75 (e)
Accounted inflow		[11] 33.75 =[8]+[9]+[10]
Surface water leaving the country	9.65	
Outflow not submitted to treaties		9.65
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 33.75 =[11]-[12]
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 33.75 =[13]+[14]
Total RWR		
Surface water	[16]	37.85 =[4]+[13]
Groundwater	[17]	2.1 =[5]+[14]
Overlap between surface water and groundwater	[6]	0.04 (a)
<b>Total renewable water resources</b>	[18]	39.91 =[16]+[17]-[6]
Dependency ratio (%)	[19]	84.57 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

- (a) Overlap: negligible but not nil as part of groundwater (GW) comes from infiltration from surface water. Namibia is a very arid country, most GW escapes from river system and flows into closed basins and evaporates in arid areas. There may be some springs.  
 (b) 10 Okavango + 1 Kwando  
 (c) (AGO:)On Okavango/Cubango: Namibia only can use this water in a small area  
 (d) From: Orange R. (South Africa). Used to be 0.5+0.6 until 2007/12/31  
 (e) 11.360 - 3.0 (natural evap) Orange (ZAF); 40 Zambesi and 5.5 Kunene (ANG)  
 (f) Zambesi and Kunene 50% rule applied, Orange under treaty therefore accounted for above