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

Japan

Internal RWR

Precipitation (mm/year)	[1]	1 668	
Area of the country (1000 ha)	[2]	37 797	
Precipitation (km³/year)	[3]	630.5	=([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	420	
Groundwater: produced internally	[5]	27	
Overlap between surface water and groundwater	[6]	17	(a)
Total internal renewable water resources	[7]	430	=[4]+[5]-[6]

External RWR

	Total	Accounted	
Surface water			
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	0	[10] 0	
Accounted inflow		[11] 0	=[8]+[9]+[10]
Surface water leaving the country	0		
Outflow not submitted to treaties		0	
Outflow submitted to treaties		0	
Outflow secured through treaties		[12] 0	
Total external renewable surface water		[13] 0	=[11]-[12]
Groundwater			
Groundwater entering the country	0	[14] 0	
Groundwater leaving the country	0	0	
Total external renewable water resources		[15] 0	=[13]+[14]

Total RWR

Surface water	[16]	420	=[4]+[13]
Groundwater	[17]	27	=[5]+[14]
Overlap between surface water and groundwater	[6]	17	(a)
Total renewable water resources	[18]	430	=[16]+[17]-[6]
Dependency ratio (%)	[19]	0	=100*([11]+[14])/([11]+[14]+[7])

Metadata:
(a) Overlap between surface and groundwater equals estimated to be less than 80 % of the ground water recharge as Japan is an island and some groundwater escape directly into the sea.