



Cálculo de recursos hídricos renovables (RHR) por país (en km³/año, media)

Kazajstán

RHR INTERNOS		
Precipitación (mm/año)	[1]	250
Superficie del país (1000 ha)	[2]	272 490
Precipitación (km ³ /año)	[3]	681.2 $=([1]/1000000) \times ([2] \times 10)$
Agua superficial: producida internamente	[4]	56.5 (a)
Agua subterránea: producida internamente	[5]	33.85 (b)
Parte comun entre aguas superficiales y subterráneas	[6]	26 (c)
RHR internos totales	[7]	64.35 $=([4]+[5]-[6])$
RHR EXTERNOS		
	Natural	Contabilizadas
<u>Agua superficial</u>		
Agua superficial que entra al país	72.04 (d)	
Entradas no sometidas a acuerdos		[8] 32.03
Entradas sometidas a acuerdos		40.01 (e)
Entradas aseguradas mediante tratados		[9] 12.03 (f)
Agua superficial en ríos fronterizos	0	[10] 0
Entradas contabilizadas		[11] 44.06 $=[8]+[9]+[10]$
Agua superficial que sale del país	40.33 (g)	
Salidas no sometidas a acuerdos		40.33
Salidas sometidas a acuerdos		0
Salidas aseguradas mediante tratados		[12] 0
Agua superficial externa renovable total		[13] 44.06 $=[11]-[12]$
<u>Agua subterránea</u>		
Agua subterránea que entra al país	0	[14] 0
Agua subterránea que sale del país		
RHR externos totales		[15] 44.06 $=[13]+[14]$
RHR TOTALES		
Agua superficial		[16] 100.6 $=[4]+[13]$
Agua subterránea		[17] 33.85 $=[5]+[14]$
Parte comun entre aguas superficiales y subterráneas		[6] 26 (c)
RHR totales		[18] 108.4 $=[16]+[17]-[6]$
Tasa de dependencia (%)		[19] 40.64 $=100 \times (([11]+[14]) / (([11]+[14])+[7]))$

Metadatos:

- (a) Syr Darya 3.3 (Ref:UNDP. 2004. Water resources of Kazakhstan in the new millennium.); Balkhash-Alakol 16.4; Chu-Talas-Assa 1.2; Irtysh 24.5; Nura-Sarysu 1.7; Ishim 2.6; Tobol-Torgai 1.5; Ural-Caspian 5.3.
 (b) 626 groundwater fields explored with total reserves of 15.93 km³/year; reserves with salinity rate up to 1 g/l are 33.85 km³/year; reserves with salinity rate up to 10 g/l are 57.63 km³/year (Ref: UNDP. 2004. Water resources of Kazakhstan in the new millenium). In 1993, the part of groundwater resources which could be extracted from existing pumping facilities was estimated at 6.1 km³/year.
 (c) Overlap between surface water and groundwater considered negligible.
 (d) Syr Darya from UZB 33.27 (of which 27.42 from KGZ and 1.01 from TJK); Balkhash-Alakol 13.3 (12.94 from CHN, 0.36 from KGZ); Chu from KGZ 5; Talas-Assa from KGZ 1.74; Irtysh from CHN (Ertix) 9.53; Tobol-Torgai from RUS 0.6; Ural-Caspian from RUS 8.6.
 (e) Syr Darya 33.27; Chu 5; Talas-Assa 1.74.
 (f) Syr Darya 10 (agreement on total between all countries: Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan); Chu-Talas-Assa from Kyrgyzstan 2.03, of which 1.24 from Chu and 0.79 from Talas and Assa.
 (g) To Russian Federation 38.0; to China 2.327.