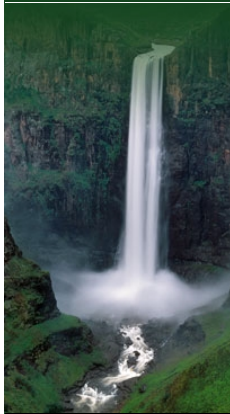


Orange-Senqu River Awareness Kit


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Resource Management

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Water Demand in the Basin: Urban and Rural Consumption: Upper Orange-Senqu River Basin

In **Lesotho**, urban usage is mainly domestic, and supply relies heavily on direct river extraction and groundwater. In recent years, the rapid economic development in the Lesotho lowlands, and the associated increase in urban and peri-urban populations and commercial/industrial activities, has placed increasing pressure on the existing water supply and sewerage facilities. In districts other than the Maseru district, 70–100 % of the population lives in rural areas.

In the **South African portion** of the Upper Orange basin, the bulk of the urban requirements of the Upper Orange Water Management Area (WMA) are from the Bloemfontein and Botshabelo areas. Towns in the Water Management Area are supplied by Bloem Water or have allocations from nearby large inter-basin transfer schemes. Other towns are located close to the main river or have access to water from upstream storage dams.

Table 1: Year 2000 urban water requirements in the Upper Orange Water Management Area.

Sub-Area	Urban Population	Domestic (direct)	Indirect	Urban losses	Total	Urban per capita domestic	Urban return flow
		Mm ³ /a				l/c/d*	%
Senqu	0	1,6	0,0	0,5	2,1	na	0
Caledon Lesotho	0	15,1	0,8	5,9	21,8	na	10
Caledon RSA	50 235	2,3	0,9	1,1	4,3	125	38
Kraai	81 360	2,9	1,5	1,2	5,6	98	0
Riet/Modder	786 434	37,7	20,4	28,5	86,6	131	38
Vanderkloof	60 050	2,7	1,2	1,5	5,4	125	0
Total	978 079	62,3	24,8	38,7	125,8	175	29

l/c/d = litres per capita, per day
Source: DWAF 2003a

Table 2: Year 2000 rural water requirements in the Upper Orange Water Management Area.

Sub-Area	Rural Population	Domestic	Stock watering	Total	Rural human per capita
		Mm ³ /a			l/c/d*
Senqu	0	0,8	12,0	12,8	23
Caledon Lesotho	0	2,4	3,6	6,0	33
Caledon RSA	535 155	5,2	8,2	13,4	27
Kraai	619 413	5,7	7,0	12,7	25
Riet/Modder	65 876	0,6	9,7	10,3	25
Vanderkloof	19 468	0,6	9,7	10,3	25
Total	1 236 912	14,9	45,3	60,2	33

l/c/d = litres per capita, per day
Source: DWAF 2003a

[Next: Vaal River Basin](#) ►

Interactive

Basin Map

Explore the sub-basins of the Orange-Senqu River

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Water Management

Explore the water management systems around the basin - including intra-basin transfers and sectoral water requirements

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Dams

Investigate the dams and water infrastructure in the Orange-Senqu basin

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Video Tour

Tour video scenes along the Orange-Senqu River related to Meeting the Water Challenge

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Panel Discussion

Listen to a panel discussion about the history and challenges in the Orange-Senqu basin

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