

# Orange-Senqu River Awareness Kit

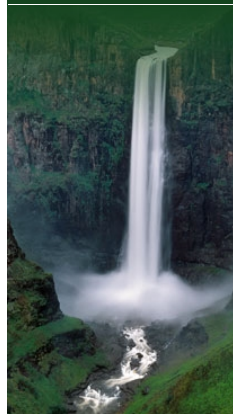

[THE RIVER  
BASIN](#)
[PEOPLE AND  
THE RIVER](#)
[GOVERNANCE](#)
[RESOURCE MANAGEMENT](#)

## Resource Management

→ Water Demand in the Basin: Urban and Rural Consumption:

### Vaal River Basin

- Introduction
- Water Demand**
- Water Demand in the Basin
- Water Demand Management
- Water Use and Allocation
- Agriculture
- Urban and Rural Consumption
- Upper Orange-Senqu River Basin
- Vaal River Basin**
- Lower Orange River Basin
- Mining and Industry
- Hydroelectric Power Generation
- Environmental Flows
- Recreation and Tourism
- Conservation and Re-use
- ▶ Water Infrastructure
- ▶ The Value of Water
- ▶ Resource Monitoring
- References



Rand Water supplies water to the urban/industrial centre of Gauteng and other areas within the Vaal River catchment. Gauteng province has the largest population of any province in South Africa and is the economic powerhouse of South Africa. The **urban demand** on the main Vaal River system is shown in the table below.

**Table 1: Year 2000 urban water requirements in the Vaal River Water Management Area.**

Sub-Area	Urban Population	Domestic (direct)	Indirect	Urban losses	Total	Urban per capita domestic	Urban return flow
		Mm <sup>3</sup> /a				l/c/d	%
Upper Vaal	5 456 397	309,2	209,4	116,8	635,4	155	54
Middle Vaal	1 165 329	44,1	29,1	19,8	93,0	104	32
Lower Vaal	611 719	30,0	20,5	17,2	67,7	134	0

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

The **rural domestic and stock watering demands** for the Upper, Middle and Lower Vaal Water Management Areas are mainly supplied from groundwater.

**Table 2: Year 2000 rural water requirements in the Vaal River Water Management Area.**

Sub-Area	Rural Population	Domestic	Stock watering	Total	Rural human per capita
		Mm <sup>3</sup> /a			l/c/d
Upper Vaal	606 926	5,7	36,9	42,6	25
Middle Vaal	363 714	3,3	28,7	32,0	25
Lower Vaal	726 068	8,7	35,9	44,6	33

*l/c/d = litres per capita, per day*  
Source: adapted from DWAF 2003c,d,e

[Next: Lower Orange River Basin](#) ▶

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## 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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