



Water Use Charges for Government Water Schemes and Water Resource Management Charges

2005/2006

FREE STATE REGION



water & forestry

Department:
Water Affairs and Forestry
REPUBLIC OF SOUTH AFRICA



Preface

This brochure contains the Water Resource Management and Water Consumptive charges that will come into effect from 1 April 2005.

Before finalising these charges, consultations were held with key national and local stakeholders including amongst others SALGA, SAAWU, Agri-SA, TAU, NAFU, and Forestry SA.

The consultation meetings led to a better understanding of the Raw Water Pricing Strategy and the main cost drivers. The charges were amended in a number of areas as a result of issues raised at the consultation meetings, but they do not represent a consensus position since DWAF must set charges in accordance with the National Water Act and the current Raw Water Pricing Strategy.

While the consultation process has significantly improved from previous years, we acknowledge that there is a need to consult earlier and will endeavour to do so in future.

The consultation process will also be addressed in the review of the Raw Water Pricing Strategy that is currently underway. This review should be completed in time to guide the setting of the 2006/7 charges.

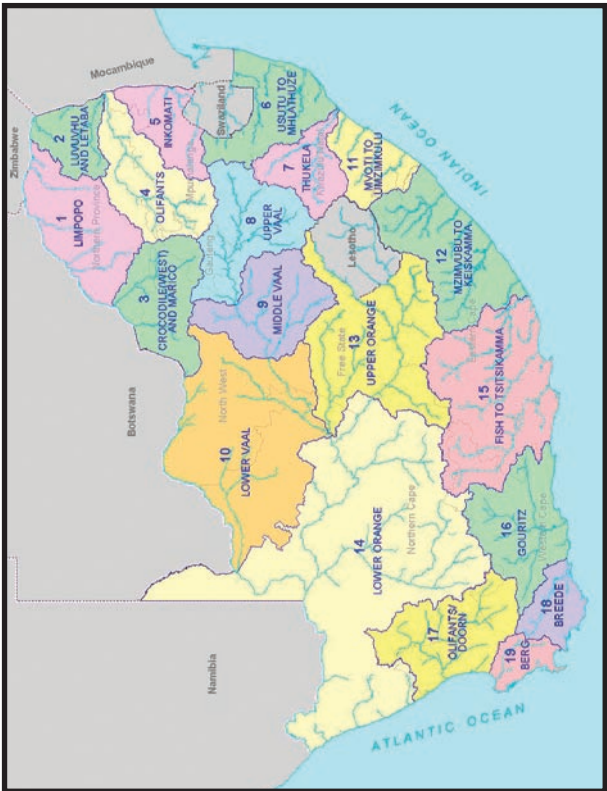


Mike Muller
Director-General
DEPARTMENT OF WATER AFFAIRS AND
FORESTRY

WRM Charge Summary by WMA

WMA	Domestic & Industrial 2005-6 Charge (c per cu m)	Agriculture 2005-6 Charge (c per cu m)	Forestry 2005-6 Charge (c per cu m)
1 Limpopo	1.35	0.98	0.73
2 Luvuvhu Letaba	1.82	1.21	0.84
3 Crocodile (w), Marico	1.08	0.92	0.73
4 Olifants	1.21	0.93	0.71
5 Inkomati	0.96	0.64	0.48
6 Usutu-Mhlatuze	0.5	0.44	0.34
7 Thukela	0.41	0.41	0.32
8 Upper Vaal	1.42	0.82	0.64
9 Middle Vaal	1.48	1.19	N/A
10 Lower Vaal	0.9	0.66	N/A
11 Mvoti-Umzimkulu	1.05	1.01	0.79
12 Mzimvubu-Keiskamma	1.53	1.06	0.73
13 Upper Orange	0.42	0.38	N/A
14 Lower Orange	0.85	0.57	N/A
15 Fish-Tsitsikamma	1.64	0.7	0.37
16 Gouritz	2.23	0.72	0.4
17 Olifants/Doorn	1.41	0.7	0.48
18 Breede	2.64	0.64	0.26
19 Berg	3.25	0.76	0.54

Map of the Water Management Areas and provincial borders



How to convert cents per m³ to Rand per hectare

The charges listed in the table for irrigation purposes are provided in cents per m³. Should you wish to convert it to Rand per hectare, please follow the instructions below:

Take the total charge in cent per m³ and divide it by 100. Take the answer and multiply it with the

water quota in m³ per hectare to get to the Rand per hectare amount.

For example:

Total Charge: 3.70 cent per m³/ 100 = R0.037 per m³

Total charge R0.037 per m³ x 3000 (water quota in m³ per hectare) = R111 per hectare

Understanding the abbreviations

WMA	Water Management Area A map of the Water Management Area is printed in this document for easy identification.
m ³	Cubic metre
Ha	Hectare
B	Bi-annually
A	Annually
TBA	To be advised
Billing Freq	Billing Frequency



Region: Free State				Charges for Irrigation Purposes			Charges for Domestic And Industrial	
WMA (refer map)	Foot Notes	Government Water Scheme Name	Scheme Management Parameter	m ³ Quota Per Ha	Charge - Cent Per Cubic Metre (Irrigation)	Billing Freq	Charge - Cent Per Cubic Metre (Domestic & Industrial)	Charge - Cent Per Cubic Metre (TCTA)
9		RHENOSTER RIVER (KOPPIES DAM)	RAW WATER FROM THE CANAL SYSTEM	6100	22.36		47.47	
9		RHENOSTER RIVER (KOPPIES DAM)	RAW WATER FROM THE DAM AND RIVER	6100	6.30		17.44	
9		SAND-VET RIVER (ERFENIS AND ALLEMANS-KRAAL DAM)	FROM ANY OF THE DAMS (DIRECTLY)	7200	1.99		7.88	
9		SAND-VET RIVER (ERFENIS AND ALLEMANS-KRAAL DAM)	FROM THE CANAL SYSTEM	7200	14.48		23.37	
9		SAND-VET RIVER (ERFENIS AND ALLEMANS-KRAAL DAM)	FROM THE RIVER	7200	11.46			

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9	SERV	SAND-VET RIVER (ERFENIS AND ALLEMANS-KRAAL DAM)	HOOPSTAD MUNICIPALITY (RAW WATER FROM THE RIVER)			A	23.37	
9	SERV	SAND-VET RIVER (ERFENIS AND ALLEMANS-KRAAL DAM)	THEUNISSEN MUNICIPALITY (RAW WATER FROM THE CANAL SYSTEM)			A	23.37	
9		SCHOONSPRUIT (ELANDSKUIL AND RIETSPRUIT DAMS)	SCHOONSPRUIT GOVERNMENT WATER SCHEME	7700	8.76		35.20	
9	SERV	VAAL RIVER (SYSTEM) - FREE STATE REGION	ANGLOGOLD VAAL RIVER			M	28.30	131.58
9		VAAL RIVER (SYSTEM) - FREE STATE REGION	USERS IN THE MIDDLE VAAL WMA				28.30	131.58

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13		CALEDON RIVER (WELBEDACHT DAM, RUSTFONTEIN DAM AND KNELLPOORT DAM)	BLOEM WATER [RAW WATER FROM RIVER AND DAMS]				17.29		
13	SERV	CALEDON RIVER (WELBEDACHT DAM, RUSTFONTEIN DAM AND KNELLPOORT DAM)	MANGAUNG MUNICIPALITY [RAW WATER FROM MODDER RIVER]			A	17.29		
13		KGABANAYANE RIVER (GROOTHOEK DAM)	BLOEM WATER				70.20		
13		LEEU RIVER (ARMENIA DAM)	RAW WATER FROM THE CANAL SYSTEM	6100	0.18		9.07		
13		LEEU RIVER (ARMENIA DAM)	RAW WATER FROM THE DAM AND RIVER				3.38		

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13		MODDER RIVER (KRUGERSDRIFT DAM)	RAW WATER FROM THE DAM AND RIVER				4.90	
13		MODDER RIVER (KRUGERSDRIFT DAM)	ZONE 1: WATER ABSTRACTED FROM THE RIVER KRUGERSDRIFT DAM UP TO RYANSDALE/ KALKBANK)	8130	3.95			
13		MODDER RIVER (KRUGERSDRIFT DAM)	ZONE 2: WATER ABSTRACTED FROM THE RIVER (RYANSDALE/ KALKBANK UP TO SCHOLTZBURG WEIR)	8640	3.95			
13	SERV	ORANGE RIVER (GARIEP DAM, VANDERKLOOF DAM AND ORANGE-FISH TUNNEL)	HOPETOWN MUNICIPALITY (RAW WATER ABSTRACTED FROM ANY OF THE DAMS AS WELL AS THE ORANGE RIVER)			A	5.51	

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13		ORANGE RIVER (GARIEP DAM, VANDERKLOOF DAM AND ORANGE-FISH TUNNEL)	MIDDLE ORANGE WATER CONTROL AREA (BETWEEN HOPETOWN AND DOUGLAS/ MARKSDRIFT)	11000	1.06		5.51	
13		ORANGE RIVER (GARIEP DAM, VANDERKLOOF DAM AND ORANGE-FISH TUNNEL)	RAW WATER PUMPED BY THE DEPARTMENT FROM VAN DERKLOOF DAM				38.60	
13		ORANGE RIVER (GARIEP DAM, VANDERKLOOF DAM AND ORANGE-FISH TUNNEL)	VANDERKLOOF GOVERNMENT WATER CONTROL AREA (BETWEEN GARIEP DAM AND HOPETOWN)	11000	1.06		5.51	
13		ORANGE RIVER (VANDERKLOOF CANALS)	RAW WATER FROM VANDERKLOOF CANALS	11000	7.59			

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13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	AGANANG: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL	11000	1.06			
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	COMMERCIAL FARMERS: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL	11000	1.06			
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	DRIE EENHEID: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL	11000	1.06			
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	ITERELING: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL	11000	1.06			

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13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	MAHUA TRUST: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL		1.06			
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	OPPERMANS: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL		1.06			
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	ORANGE-RIET CANAL SYSTEM				32.51	
13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	RIET RIVER SETTLEMENT CANAL SYSTEM				37.90	

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13		ORANGE-RIET (RIET RIVER SETTLEMENT) AND ORANGE-RIET CANAL	ZELPHY: IRRIGATION USE SECTOR FROM VANDERKLOOF MAIN CANAL		1.06			
13		RIET RIVER (KALKFONTEIN DAM)	JACOBSDAL MUNICIPALITY (RAW WATER FROM THE KALKFONTEIN CANAL SYSTEM FOR IRRIGATION)	11000	23.32		25.93	
13	SERV	RIET RIVER (KALKFONTEIN DAM)	KOFFIEFONTEIN MUNICIPALITY (RAW WATER FROM THE KALKFONTEIN CANAL SYSTEM)			A	25.93	
13		RIET RIVER (KALKFONTEIN DAM)	RAW WATER FROM KALKFONTEIN DAM		0.44		3.54	

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13		RIET RIVER (KALKFONTEIN DAM)	RAW WATER FROM THE KALKFONTEIN CANAL SYSTEM	11000	0.44		25.93	
13		RIET RIVER (KALKFONTEIN DAM)	RESOURCE POOR FARMERS (RAW WATER FROM THE KALKFONTEIN CANAL SYSTEM)	11000	0.38			
13		RIET RIVER (KALKFONTEIN DAM)	RIETRIVIER BOERDERY BK (RESOURCE POOR FARMERS) (RAW WATER FROM THE KALKFONTEIN CANAL SYSTEM)		0.44			
13		WITTESPRUIT (EGMONT DAM)	EGMONT IRRIGATION BOARD	6100	0.20			

Foot notes and additional comments

Foot notes	
Serv	In case where a zero charge is to be applied in respect of volumes smaller or equal to servitudes volume, only the charges to be applied per every one m ³ in excess of the servitude arrangement is reflected.
Addition comments	
1	Charges for domestic and industrial use: to be applied per every one m ³ .
2	Charges for irrigation purpose: To be applied per every one m ³ .
3	Charges for the TCTA: To be applied per every one m ³ .
4	Any changes made to the charges, in the brochures, will be updated and published on the DWAF- website. These include: <ul style="list-style-type: none"> a Additional charges b Changes to the charges incorporated in the brochure: <ul style="list-style-type: none"> - Charges that are no longer to be applied (declared as OBSOLETE), - Changes to charges, - Changes to volume variables.
5	The charge for Resource Poor Farmers normally reflects the full amount without consideration of subsidies. Applicable subsidies are given as discounts during the billing process.

For more information, contact your nearest office of the Department of Water Affairs and Forestry

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