

DRIEKLOOF DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
28° 30' 59" S	29° 03' 48" E

LOCATION

Driekloof Dam impounds a small section of the Sterkfontein Dam in the C81D quaternary catchment, South Africa.

DESCRIPTION

It is adjacent to the Sterkfontein Dam. As shown in the photo, there is a spillway between the two dams.

PURPOSE

Together with the Kilburn Dam almost 500 m lower, Driekloof forms part of Eskom's Drakensberg Pumped Storage Scheme and the Tugela–Vaal Water Project, and provides for up to 27.6 GWh of electricity storage in the form of 275 million m³ of water. The water is pumped to Driekloof during times of low national power consumption (generally over weekends) and released back into Kilburn through four 250 MW turbine generators in times of high electricity demand. The scheme is operated in such a way that there is a net pumping of up to 631 million m³/a depending upon the water availability in the Tugela catchment (Woodstock Dam) as well as the need for augmentation in the Vaal Dam catchment.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	FSA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Driekloof	Nuwejaars Spruit	C81D	32	1.90	DWA	C8R007	47	500

* Live full supply capacity (SANCOLD, 2009)



Weir separating Sterkfontein and Driekloof dams (source: www.wikipedia.org)



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Year of completion	Demands/abstractions (million m ³ /a)			1:50 yield (million m ³ /a)	Maximum spillway capacity (m ³ /s)
	Domestic	Irrigation	Other		
1981	Unknown	Unknown	Unknown	Unknown	Unknown

AREA-CAPACITY RELATIONSHIP

No available information.

OPERATING RULE

Operated in conjunction with Sterkfontein Dam for the Drakensberg Pumped Storage Scheme.

