



SERFONTEIN DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
27°42'06" S	27°18'09" E

LOCATION

Serfontein Dam is situated near Kroonstad in the Free State, South Africa, in quaternary C60D on the Vals River.

DESCRIPTION

Serfontein Dam is a rock foundation gravity dam. It has a full supply level of 1 303 m, with a dead storage level and bottom of reservoir at 1 300 m.

PURPOSE

Serfontein Dam is heavily silted up. Water is released from Serfontein Dam to the Vals River, where it is pumped to Bloemhoek Dam, which supplies water for Kroonstad.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Serfontein	Valsch	C60D	5.3	1.8	Kroonstad Municipality	C6R002	15	1 515

* Live full supply capacity (ORASECOM)



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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		
1967	Unknown	Unknown	Unknown	Unknown	1 100

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 303.5	5.43	1.85
1 303.0	5.25	1.81
1 302.5	4.35	1.62
1 302.0	2.17	1.07
1 301.5	0.99	0.69
1 301.0	0.87	0.64
1 300.5	0.44	0.42
1 300.0	0.00	0.00

