

KLERKSKRAAL DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
26°15'09" S	27°09'38" E

LOCATION

Klerkskraal Dam is located on the Mooi River, South Africa, in quaternary catchment C23F.

DESCRIPTION

Klerkskraal Dam is a gravity concrete dam with earthfill flanks. It has a full supply level of 1 461.1 m, a dead storage level of 1 456.2 m and the bottom of reservoir is at 1 454.5 m.

PURPOSE

Klerkskraal Dam is used to supply irrigation demands.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Klerkskraal	Mooi	C23F	8.2	3.8	DWA	C2R003	15	605

* Live full supply capacity (ORASECOM)



Klerkskraal Dam (source: SA Dept of Water Affairs)



KLERKSKRAAL DAM

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		
1969	Unknown	29.597	Unknown	24.0	354

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 462.5	14.766	5.887
1 461.1	8.249	3.843
1 460.5	6.120	3.202
1 459.5	3.471	2.296
1 458.5	1.653	1.487
1 457.5	0.577	0.780
1 456.2	0.086	0.189
1 454.5	0.000	0.000

OPERATING RULE

Klerkskraal, Boskop and Lakeside Dams are part of the Mooi River sub-system, as is Klipdrif Dam, which is located on the Loopspruit River, which is a tributary of the Mooi River. These dams are operated to allow for supply of their demands, until the dams reach their respective minimum operating levels. The sub-system does not support Vaal or the Bloemhof sub-system.

