

ALLEMANSKRAAL DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
25°51'48.77" S	25°20'10" E

LOCATION

Allemanskraal Dam is located on the Sand River in quaternary catchment C42E, South Africa.

DESCRIPTION

Allemanskraal Dam has a mass gravity concrete section and an earth embankment on the right flank. It has a full supply level of 1 368.7 m, a dead storage level of 1 355.9 m and the bottom of reservoir is at 1 353.0 m.

PURPOSE

Allemanskraal Dam, together with Erfenis Dam, makes up the Sand-Vet sub-system. Water is released from the system into a canal approximately 115 km in length, in order to supply the Sand-Vet Government Water Scheme downstream.

PHYSICAL INFORMATION

Dam name	River	DWA code	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	Wall height (m)	Wall length (m)
Allemanskraal	Sand	D4R002	C42E	179.3	26.5	DWA	38	1 338

*Live full supply capacity (ORASECOM)



Allemanskraal Dam (source: www.panoramio.com)



ALLEMANSKRAAL 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		
1960	Unknown	35.6†	Unknown	100‡	2 265

† From Reservoir records for 2009 hydrological year

‡ Combined with Erfenis Dam, South African Department of Water Affairs P09000/00/0101

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 370	214.712	29.744
1 368	179.311	26.481
1 367	136.986	22.500
1 364	79.434	16.424
1 362	50.949	12.319
1 360	29.915	8.911
1 358	14.692	6.005
1 355	5.110	3.342
1 353	0.00.0	0.000

OPERATING RULE

Allemskraal and Erfenis Dams are operated as part of the Sand-Vet sub-system. Operating rules allow for these dams to supply their demands until the dams reach their defined minimum operating levels. The sub-system does not support the Vaal or the Bloemhof sub-system.



Dam network