



SPITSKOP DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
28°07'24" S	24°30'07" E

LOCATION

Spitskop Dam is located in quaternary catchment C33B in the Lower Vaal Water Management Area in South Africa.

DESCRIPTION

Spitskop Dam is a gravity concrete dam with earthfill. It has a full supply level of 1 042.6 m, a dead storage level of 1 037.1 m and the bottom of reservoir is at 1 037.0 m.

PURPOSE

Spitskop Dam is used for irrigation along the lower Harts River upstream of the Vaal confluence. The dam is currently under-utilised due to large volumes of return flow from the Vaalharts Irrigation Scheme.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Spitskop	Harts	C33B	57.9	25.3	DWA	C3R002	18	683

* Live full supply capacity (ORASECOM)



Spitskop Dam (source: www.panoramio.com)



SPITSKOP 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		
1975	Unknown	Unknown	Unknown	Unknown	878

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 043.0	69.61	28.726
1 043.6	57.89	25.312
1 042.0	44.33	23.165
1 041.0	25.15	16.900
1 040.0	11.73	11.242
1 039.0	4.09	5.774
1 038.0	0.71	2.386
1 037.1	0.06	0.191
1 037.0	0.00	0.000

OPERATING RULE

The operating rule is to be updated as part of a South African Department of Water Affairs study (in conjunction with Taung Dam).

