



RIETSPRUIT DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
26°24'34" S	26°48'38" E

LOCATION

Rietspruit Dam is located on the Schoonspruit River in quaternary catchment C24D, near the town of Ventersdorp in the North West Province, South Africa.

DESCRIPTION

Rietspruit Dam is an earthfill dam. It has a full supply level of 1 410.3 m, and a dead storage level and bottom of reservoir at 1 403.0 m.

PURPOSE

Rietspruit Dam is used for irrigation and recreation.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Rietspruit	Schoonspruit	C24D	7.3	2.3	DWA	C2R007	15	992

* Live full supply capacity (SANCOLD)



Rietspruit Dam (source: www.panaramio.com)



RIETSPRUIT 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		
1955	Unknown	7.7 †	Unknown	11.4 ‡	0

† From Reservoir records for 2009 hydrological year

‡ SA Dept of Water Affairs P09000/00/0101

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 412	12.02	3.119
1 410	7.28	2.338
1 409	4.77	1.850
1 408	2.88	1.339
1 407	1.50	0.953
1 405	0.53	0.629
1 404	0.04	0.162
1 403	0.00	0.000

OPERATING RULE

Rietspruit, Elandskuil and Johan Naser Dams are operated as the Schoonspruit sub-system. Operating rules allow for these dams to supply their demands until they reach their respective minimum operating levels. Only the spills from the Schoonspruit sub-system contribute to the Bloemhof sub-system yield.

