



# WENTZEL DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
27°10'24" S	25°20'10" E

## LOCATION

Wentzel Dam is located in quaternary catchment C31E in the Lower Vaal Water Management Area near Schweizer-Reneke in South Africa.

## DESCRIPTION

Wentzel Dam is an earthfill dam.

## PURPOSE

Wentzel Dam is used for domestic water supply for the town of Schweizer-Reneke. It has a full supply level of 1 297.7 m, and a dead storage level and bottom of reservoir at 1 291.3 m.

## PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m <sup>3</sup> )	SA (km <sup>2</sup> )	Owner	DWA code	Wall height (m)	Wall length (m)
Wentzel	Harts	C31E	6.558	2.989	DWA	Unknown	12	158

\* Live full supply capacity (SANCOLD)



## WENTZEL DAM

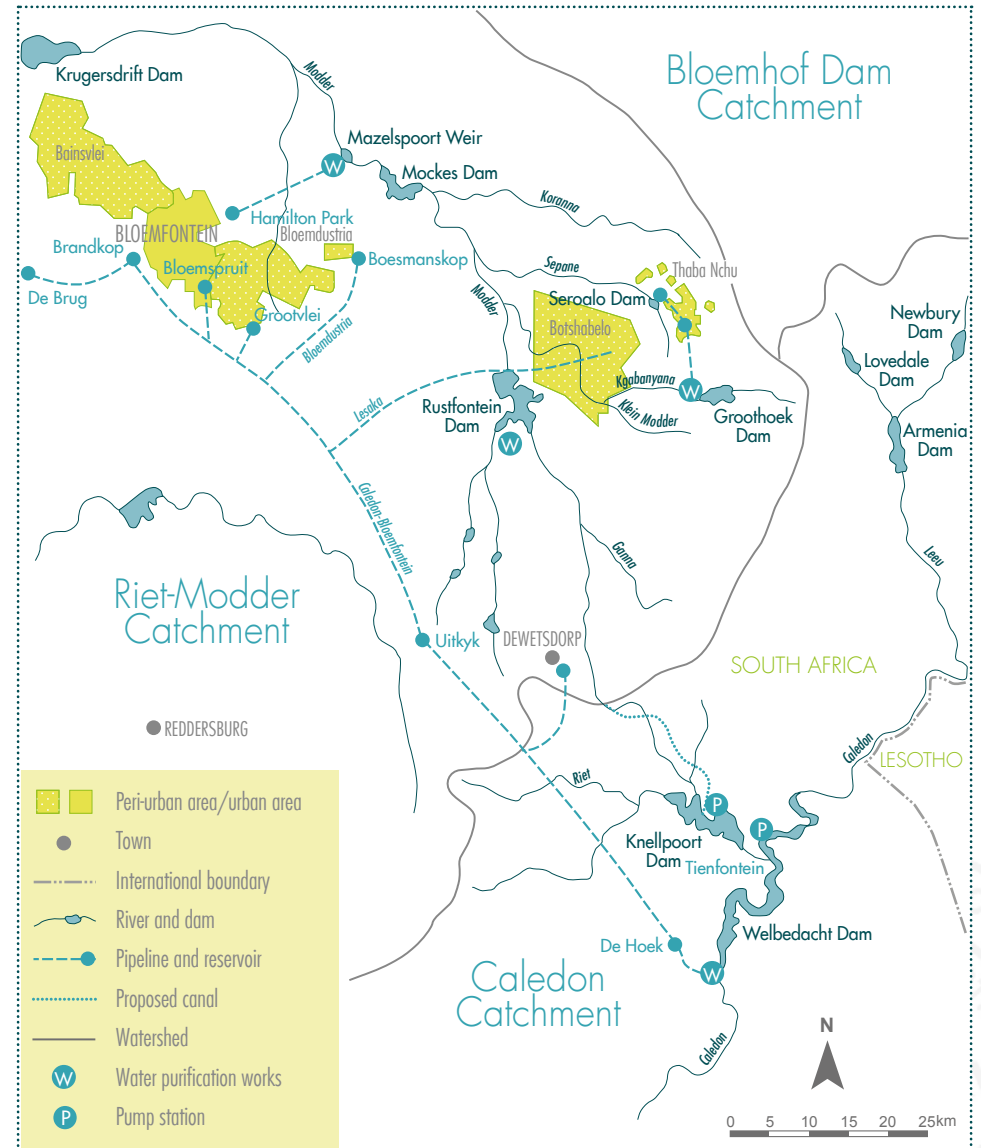
Year of completion	Demands/abstractions (million m <sup>3</sup> /a)			1:50 yield (million m <sup>3</sup> /a)	Maximum spillway capacity (m <sup>3</sup> /s)
	Domestic	Irrigation	Other		
1934	1.02	Unknown	Unknown	Unknown	895

## AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m <sup>3</sup> )	Surface area (km <sup>2</sup> )
1 297.9	7.10	3.12
1 297.7	6.58	2.99
1 297.4	5.62	2.75
1 297.1	4.84	2.53
1 296.5	3.46	2.08
1 296.2	2.87	1.86
1 295.7	2.04	1.51
1 295.2	1.38	1.18
1 294.5	0.69	0.81
1 291.3	0.00	0.00

## OPERATING RULE

The dam is operated down to the dead storage level to supply the town.



Locality map (from map produced for ORASECOM Infrastructure Report, 2007)