

VAA LHARTS STORAGE WEIR

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
28°06'55" S	24°55'33" E

LOCATION

Vaalharts Weir is located in quaternary catchment C91B in the Lower Vaal Water Management Area in South Africa.

DESCRIPTION

Vaalharts Weir is a concrete buttress weir. It has a full supply level of 1 190.2 m, and a dead storage level and bottom of reservoir at 1 182.9 m.

PURPOSE

Vaalharts Weir provides water for irrigation.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	SA (km ²)	Owner	DWA code	Wall height (m)	Wall length (m)
Vaalharts Storage Weir	Vaal	C91B	48.7	21.2	DWA	C9R001	12	765

* Live full supply capacity (ORASECOM)



Vaalharts Weir (source: SA Dept of Water Affairs)



VAALHARTS STORAGE WEIR

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		
1957	Unknown	373.3†	Unknown	Unknown	14 200

† From Reservoir records for 2009 hydrological year

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 190.3	50.98	21.76
1 190.2	48.66	21.19
1 190.0	44.75	20.06
1 189.7	39.07	18.10
1 189.4	33.93	16.27
1 188.8	25.27	12.96
1 187.8	14.75	8.68
1 187.2	10.12	7.12
1 186.4	5.18	5.15
1 182.9	0.00	0.00



Vaalharts Storage Weir

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