

DREIHUK DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
28° 05' 51" S	18° 36' 36" E

LOCATION

Dreihuk Dam is located on the Hom River in quaternary catchment D82M in Namibia.

DESCRIPTION

Dreihuk Dam has a rockfill embankment on the downstream side and a vertical reinforced concrete seal on the upstream side. It has a full supply level of 895.0 m, with a dead storage level of 884.1 m and reservoir bottom at 880.2 m.

PURPOSE

Water is provided to Karasburg via a purification plant about 15 km from Dreihuk Dam.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC (million m ³)	FSA (km ²)	Owner	Wall height (m)	Wall length (m)
Dreihuk	Hom	D82M*	15.49	3.49	NamWater	21	418

* ORASECOM, 2011



Dreihuk Dam (source: www.namwater.com)



DREIHUK DAM

Year of completion	Demands/abstractions (million m ³ /a)			95% assured yield (million m ³ /a)	Maximum spillway capacity (m ³ /s)
	Domestic	Irrigation	Other		
1978	0.2	0	0	0.10 Water supply is augmented by boreholes	1,100

Sources: Personal communication with Hanjörg Drews, NamWater; ORASECOM, 2007

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
895.0	15.49	3.49
890.0	3.87	1.38
885.0	0.36	0.22
884.5	0.26	0.17
884.1	0.21	0.13
880.2	0.00	0.00

OPERATING RULE

Dreihuk Dam transfers water to Karasburg town.

