

Namibia

NAUTE DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
26° 55' 51" S	17° 56' 16" E

LOCATION

The Naute Dam is located on the Löwen River in the Fish River catchment in quaternary catchment D46G in Namibia.

DESCRIPTION

The Naute Dam is a double curvature circular arch structure.

PURPOSE

Water is treated at the dam via a 1.9-km pipeline to the water treatment plant. Then the purified water reaches the town of Keetmanshoop via a 44-km pipeline. Water is also provided for a 270 ha irrigation scheme via a 2 km gravity pipeline.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment †	FSC* (million m³)	FSA (km²)	Owner	Wall height (m)	Wall length (m)
Naute Dam	Löwen	D46G	83.58	11.55	NamWater	37	470

† ORASECOM, 2011

* Live full supply capacity (ORASECOM, 2007a, WRYM datasets and DWA, 1990)



Naute Dam (© UNOPS/Christopher Mor)



NAUTE 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		
1971	1.80 †	2.30 †	Unknown	12	2,292

† DWA, 2005

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

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
732	83.58	11.53
731	72.80	10.05
727	40.54	6.58
725	28.53	5.42
721	12.03	2.86
719	7.29	1.83
714	2.38	0.49
711	1.23	0.31
703	0.00	0.00



Naute Dam (source: www.wikipedia.org)

