

Namibia

OANOBO DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
23° 19' 31" S	17° 1' 24" E

LOCATION

Oanob Dam is located on the Oanob River, a tributary of the Orange River in Namibia, in quaternary catchment D40D.

DESCRIPTION

The Oanob Dam is a concrete double-curvature arch dam. The full supply level of the dam is 1,453.0 m, with a dead storage level at 1,424.5 m and the bottom of the reservoir at 1,408.0 m.

PURPOSE

It supplies Rehoboth town via a 4-km pipeline to a water treatment plant at Rehoboth.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC* (million m ³)	FSA (km ²)	Owner	Wall height (m)	Wall length (m)
Oanob	Oanob	D40D †	35.51	2.65	NamWater	50	560

† ORASECOM, 2011

* NamWater correspondence, 2013

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

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		
1990	1.60	0	0	4.30	5,000



Oanob Dam (source: www.namwater.com)



OANOB DAM

AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1,453.0	34.51	3.60
1,450.0	25.22	2.64
1,445.0	14.38	1.74
1,440.0	7.53	1.00
1,424.5	0.42	0.12
1,408.0	0.00	0.01

OPERATING RULE

Water is pumped out of the dam for domestic requirements.

