

OANOBO DAM

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
23°19'31.08" S	17° 1'24.02" 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.

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)	SA (km ²)	Owner	Wall height (m)	Wall length (m)
Oanob	Oanob	D40D †	34.50	2.65	Namwater	50	560

† There is some uncertainty about this

Source: NamWater and ORASECOM 001/2007

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		
1990	Unknown	Unknown	Unknown	4.2	5 000



Oanob Dam (source: www.namwater.com)



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AREA-CAPACITY RELATIONSHIP

Elevation (m)	Storage (million m ³)	Surface area (km ²)
1 453.00 m relative to sea level (full supply level)	34.51	2.65
1 450.00	25.22	2.64
1 445.00	14.38	1.74
1 440.00	7.53	1.00
1 424.5 m relative to sea level (minimum operating level)	0.417	0.123
1 408.00 (bottom of reservoir)	Unknown	Unknown

OPERATING RULE

Water is pumped out of the dam for domestic requirements.

