

Lesotho

MATSOKU WEIR

COORDINATES (degrees, minutes, seconds)

LATITUDE	LONGITUDE
29° 13' 55" S	27° 46' 36" E

LOCATION

Matsoku Weir is situated on the Matsoku River, which is a tributary of the Senqu River. It is located in Lesotho in quaternary catchment D11E.

DESCRIPTION

The Matsoku Diversion Weir is a stone-faced concrete gravity dam, with a maximum spillway capacity of 584 m³/s. The weir is a solid mass of concrete (21,000 m³). Its downstream face features a series of large steps, designed to dissipate the energy of water overflowing the weir. The weir is connected to Katse Dam via a 5.7-km tunnel, 4 m in width. The tunnel is gravity fed, with a maximum capacity of 55 m³/s.

PURPOSE

Matsoku Weir serves to transfer water via Katse Tunnel to Katse Dam to supplement Katse Dam's supply. This increases the supply of water to South Africa by 2.2 m³/s.

PHYSICAL INFORMATION

Dam name	River	Quaternary catchment	FSC (million m ³)	FSA (km ²)	Owner	Wall height (m)	Wall length (m)
Matsoku	Matsoku	D11E	Unknown	Unknown	Lesotho	15	180

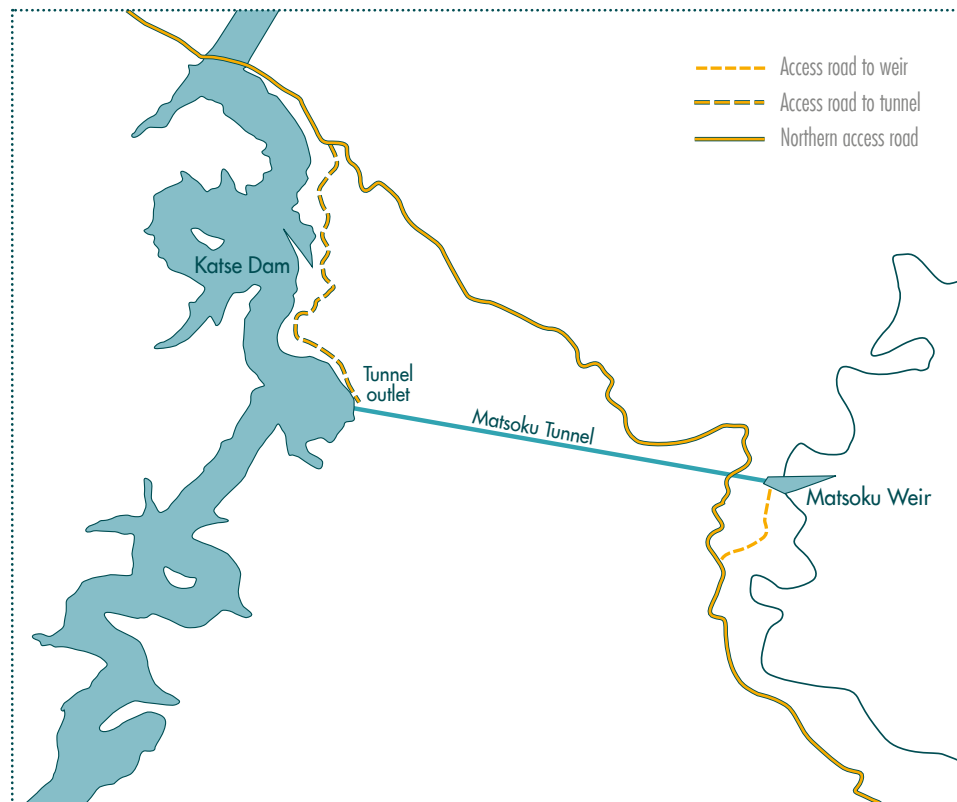


Matsoku Weir (source: amanziflow.co.za)



MATSOKU 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		
2000	Unknown	Unknown	Unknown	Unknown	55



The Senqu River, Lesotho (© UNOPS/Greg Marinovich)

