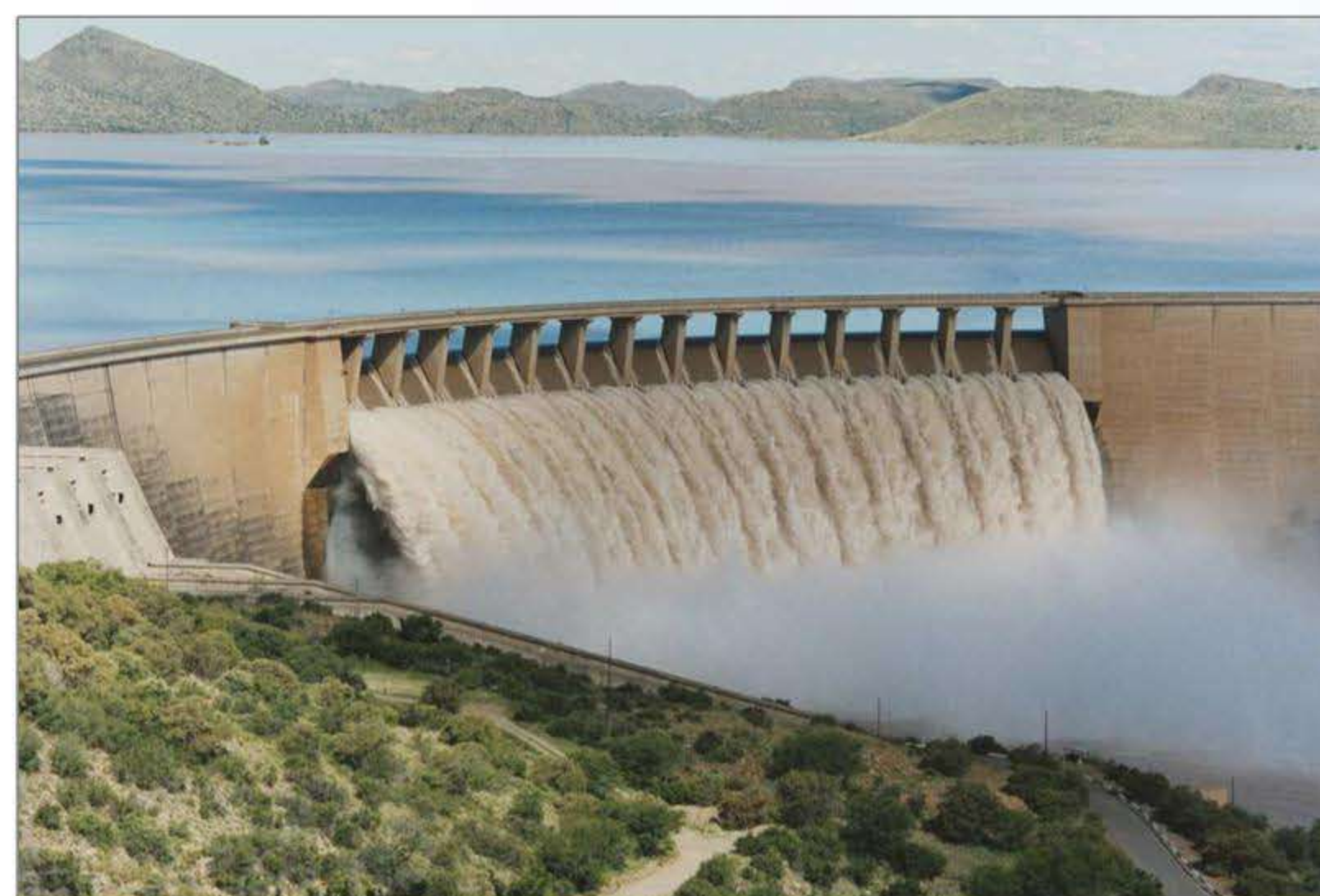
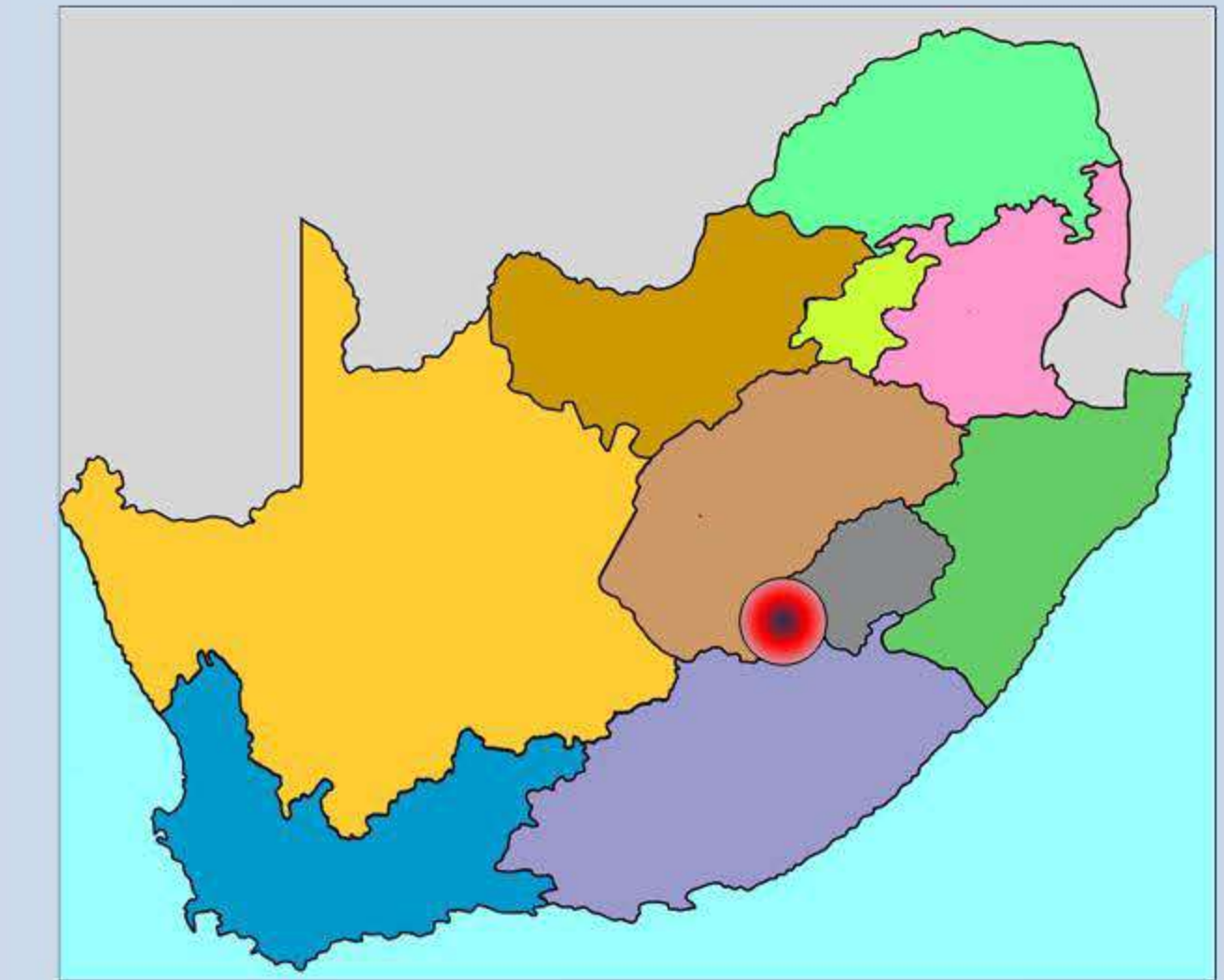
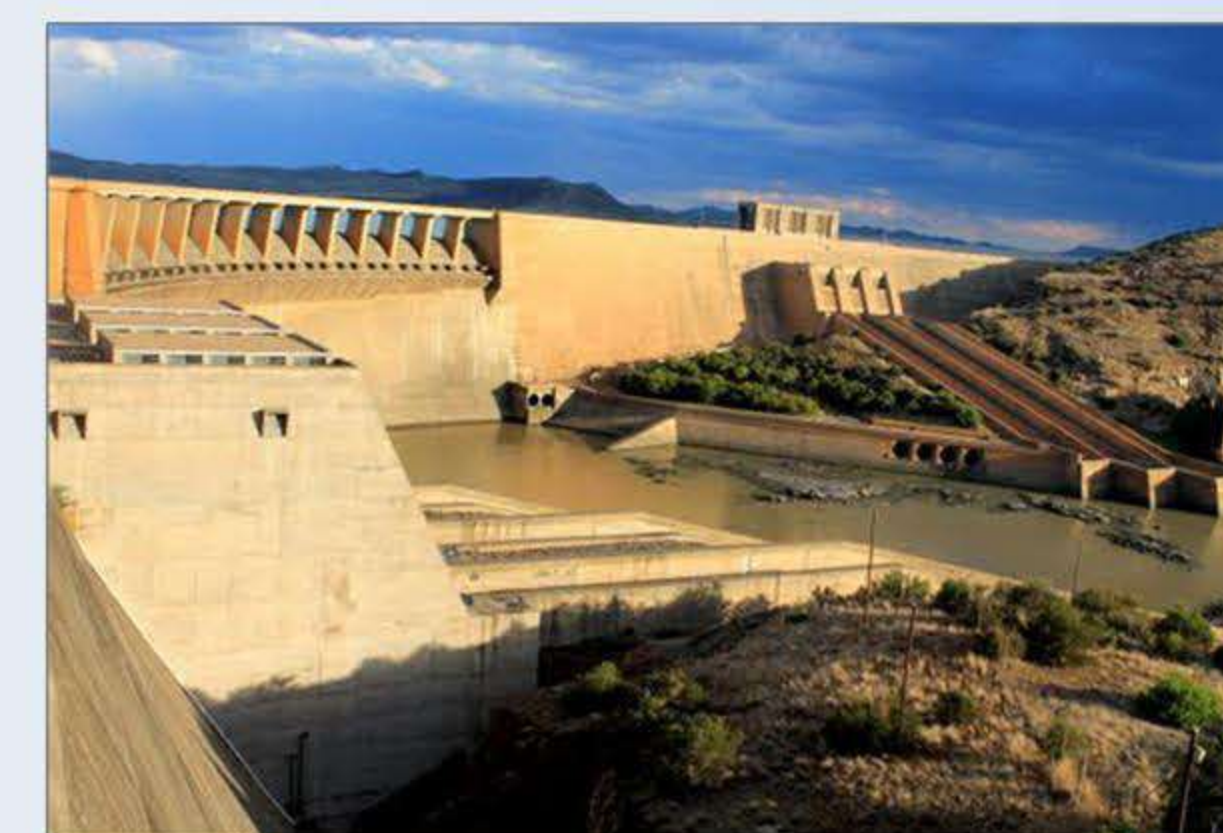




- 50% of the capacity can supply > 17 million domestic users with water for 1 year (150 liter/ person/day).
- The surface area is equivalent to 44,000 rugby fields.



The Gariep Dam is the largest dam in South Africa, almost twice the size than the 2nd largest dam in South Africa (Vanderkloof Dam) and > 2 x the size of the Vaal Dam. In June 1962, Parliament authorised the expenditure of R85-million for the first phase of the Orange River Project, where the Gariep Dam (originally the Hendrik Verwoerd Dam) was one of the main elements of the Project. In April 1966, the main contract for the civil engineering works was awarded to the French-South African consortium of Union Corporation-Dumez-Borie Dams. The first major dam in South Africa where the Department of Water Affairs was not the contractor. At Oviston, on the south bank of the dam, is the inlet of the Orange-Fish River Tunnel from where water diverted to the Great Fish River.



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References: https://en.wikipedia.org/wiki/Gariep_Dam
Photos: DWS; WAMTechnology; Escom; Panoramia

GARIEP DAM (30.623 S; 25.506 E)

Completed: 1971

River: Orange River.

Capacity: 5343 million m³

Type of dam: Double curvature concrete arch.

Length of wall (top): 884 m

Length of dam (longest distance from wall to inflow): 75 km

Nearest town: Norvalspont; Oviston; Bethulie

Surface area: 35216 ha

Water use: Municipal, irrigation, industrial and electricity.

Capacity compared to the Vaal Dam: > 2 times larger