



BOSKOP DAM

COORDINATES (degrees, minutes, seconds)

| LATITUDE | LONGITUDE |
|---------------|---------------|
| 26° 33' 40" S | 27° 06' 42" E |

LOCATION

Boskop Dam is located in quaternary catchment C23G in the Middle Vaal Water Management Area in South Africa.

DESCRIPTION

Boskop Dam is a gravity concrete with earthfill flanks dam. It has a full supply level of 1,386.9 m and a dead storage level of 1,374.8 m. The bottom of the reservoir is at 1,372.0 m.

PURPOSE

Boskop Dam is used for irrigation and water supply.

PHYSICAL INFORMATION

| Dam name | River | Quaternary catchment | FSC* (million m ³) | FSA (km ²) | Owner | DWA code | Wall height (m) | Wall length (m) |
|----------|-------|----------------------|--------------------------------|------------------------|-------|----------|-----------------|-----------------|
| Boskop | Mooi | C23G | 20.90 | 3.80 | DWA | C2R001 | 33 | 823 |

* Live full supply capacity (SANCOLD, 2009)



Boskop Dam (source: SA Dept of Water Affairs)



BOSKOP DAM

| 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 | | |
| 1958 | Unknown | Unknown | Unknown | Unknown | Unknown |

AREA-CAPACITY RELATIONSHIP

| Elevation (m) | Storage (million m ³) | Surface area (km ²) |
|---------------|-----------------------------------|---------------------------------|
| 1,388 | 24.20 | 4.30 |
| 1,387 | 20.85 | 3.77 |
| 1,386 | 17.58 | 3.36 |
| 1,384 | 11.69 | 2.57 |
| 1,382 | 7.21 | 1.95 |
| 1,380 | 3.96 | 1.34 |
| 1,378 | 1.81 | 0.81 |
| 1,376 | 0.70 | 0.40 |
| 1,375 | 0.30 | 0.26 |
| 1,372 | 0.00 | 0.00 |

OPERATING RULE

Boskop, Klerkskraal and Lakeside dams are part of the Mooi River Sub-system, as well as Klipdrif Dam, which is located on the Loopspruit River, which is a tributary of the Mooi River. These dams are operated to allow for supply of their demands until they reach their respective minimum operating levels. The sub-system does not support the Vaal or Bloemhof sub-systems.

