

RIET RIVER GOVERNMENT WATER SCHEME

LOCATION

The Riet River Government Water Scheme is located downstream of Kalkfontein Dam (quaternary C51J) on the Riet River.

DESCRIPTION

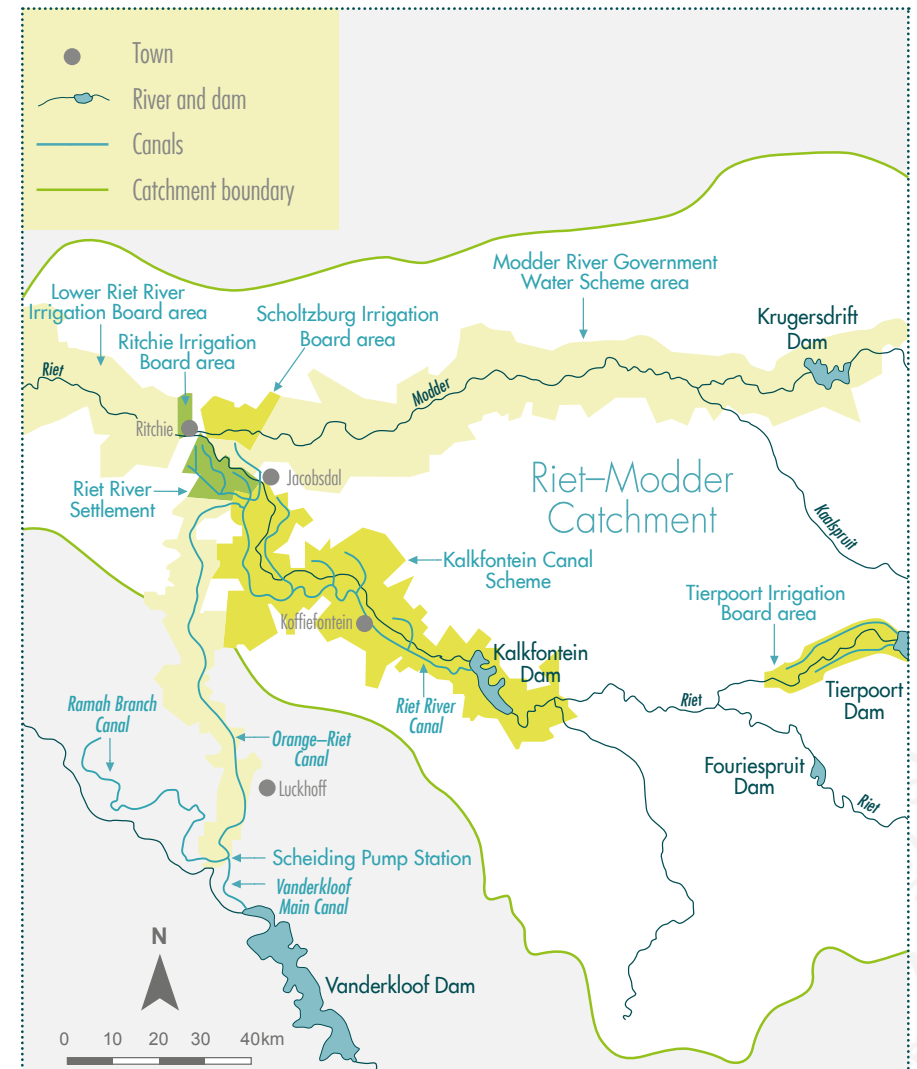
The scheme consists of Kalkfontein Dam and two canals running alongside the Riet River.

PHYSICAL INFORMATION

Kalkfontein Dam has a full supply capacity of 258 million m³, with a wall height of 36 m and length of 317 m, and a maximum spillway capacity of 1,700 m³/s. Refer to the schematic of the Upper Orange catchment.

PURPOSE

The scheme supplies an urban demand to the town of Jacobsdal and the mining demands of Koffiefontein. It initially supplied the additional demands of the Riet River Settlement, the Scholtzburg Irrigation Board Area, the Ritchie Irrigation Board and the town of Ritchie, but these are now supplied by the Sarel Hayward Canal (part of the Orange–Riet Water Scheme).



Riet River Government Water Scheme (adapted from ORASECOM, 2007a)