



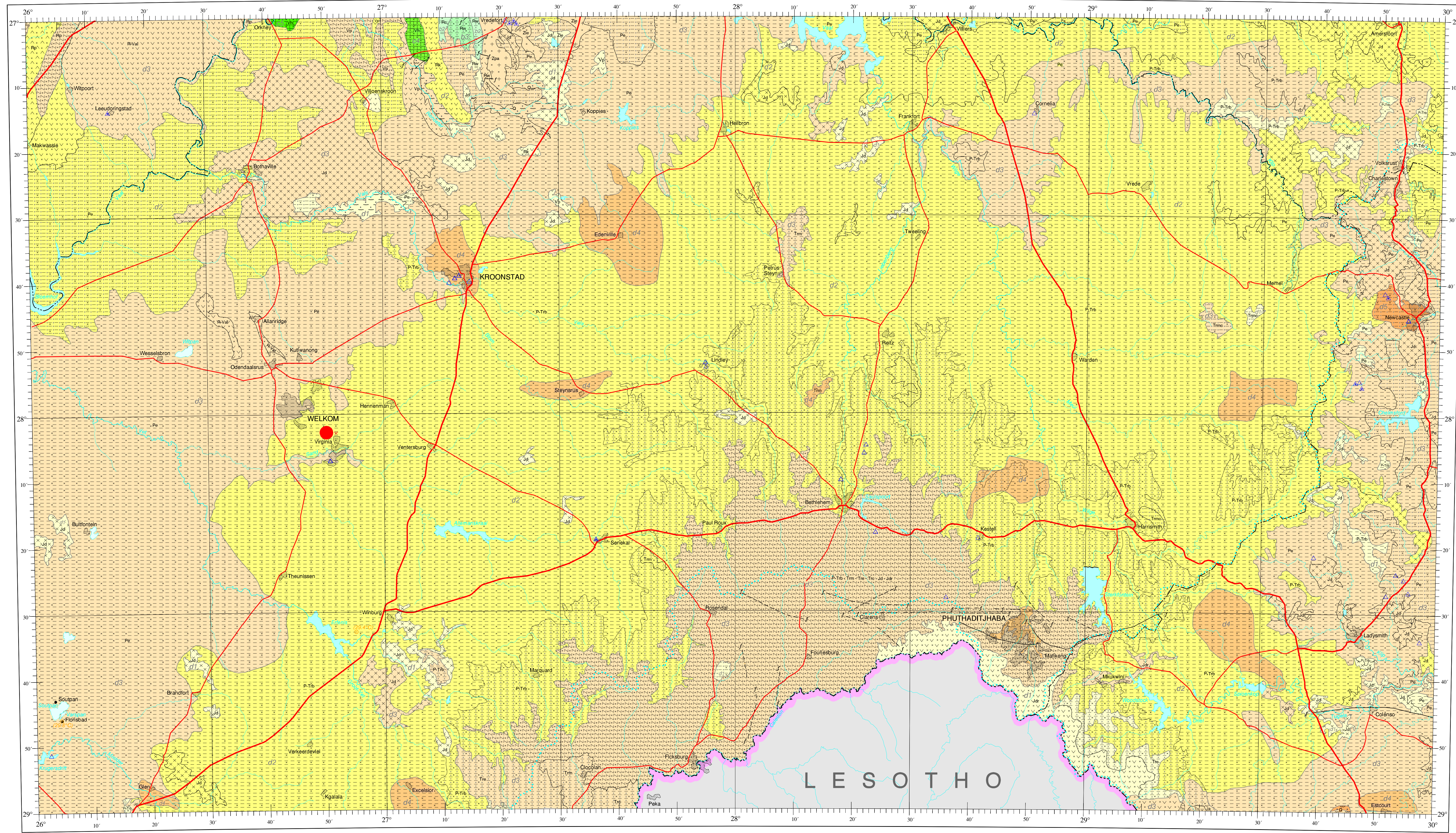
KROONSTAD 2000



Map Author - E Baran
GIS Specialist - E Baran
Cartographer - F. Jonck

Assisted by: Mapping Management Team
P.S. Meyer, H. Munn, F. Jonck and E. Botes
Editorial Board: E. Brauns, W.R.G. Open, Z.M. Dzombowski and P. Seward

This map was approved by the Director-General of the Department of Water Affairs and Forestry.
Computing Centre for Water Research, University of Natal, and compiled by H. Munn, Information on roads, rivers, towns, international and provincial boundaries were obtained from the Chief Directorate: Surveys and Mapping, Department of Land Affairs and Forestry.



Principal groundwater occurrence

Table showing Borehole yield class (median lit) for different aquifer types: Intergranular, Fractured, Karst, and Intergranular and fractured.

Note: Groundwater occurrence depicts the aquifer type(s) with the highest borehole yield, and does not always correlate with surface lithology.

Surface lithology

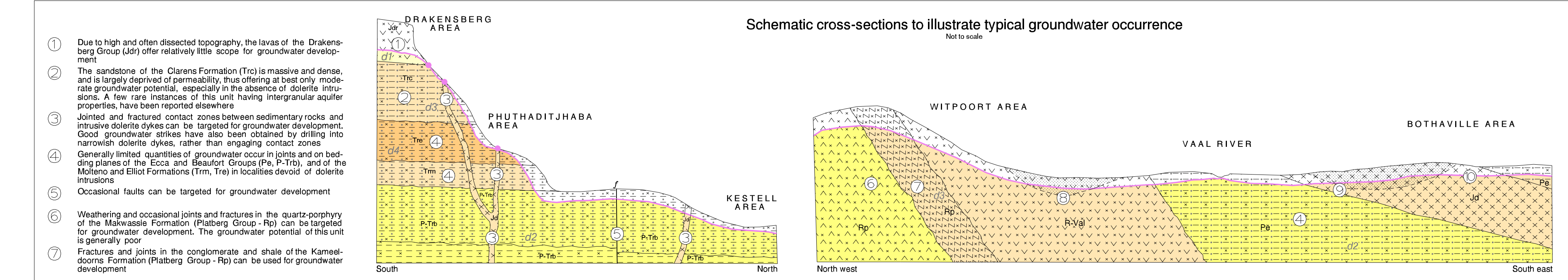
- List of lithological units: Alluvium (clay, sand, gravel), Mafic intrusive rocks (dolerite), Predominantly argillaceous rocks (shale, mudstone and siltstone), etc.

Large scale groundwater abstraction

- Legend for large scale abstraction: Thermominal spring (>10 million m³/a), One or more groundwater level recording, etc.

Chronostratigraphy

Geological time scale table showing periods from Quaternary to Cambrian.



Groundwater occurs in both the weathered and transitional jointed zones between weathered and fresh igneous rocks.
Groundwater can be developed by penetrating dolerite sills, thus targeting joints/fractured contact zones between dolerite bodies and underlying sedimentary rocks.

This general hydrogeological map is part of the 1:500 000 Hydrogeological map series of the Republic of South Africa.
This map is not to be used for the purpose of local borehole siting. Simplified lithology may be considered as guidelines only.

Digital data, copies of this map and accompanying brochure are obtainable from: Department of Water Affairs and Forestry, Private Bag X313, Pretoria 0001.

Groundwater quality

