

UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG



Palaeosciences Centre, East Campus, 1 Jan Smuts Avenue, Braamfontein, Johannesburg
Private Bag 3, WITS 2050, Johannesburg, SOUTH AFRICA Tel: 011 717 6682

Marion.bamford@wits.ac.za

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Dr Ragna Redelstorff
Heritage Officer Archaeology, Palaeontology & Meteorites Unit
South African Heritage Resources Agency
111 Harrington Street
Cape Town 8001

Dear Dr Redelstorff

RE: Request for Exemption of any Palaeontological Impact Assessment for the proposed farm dam on Portion 1 of Waterfall 461 JT, near Barberton, Mpumalanga Province

In my capacity as a professional palaeontologist, I am requesting exemption for palaeontological impact assessment in terms of the National Heritage Resources Act (Act 25 of 1999) and the National Environmental Management Act (Act 107 of 1998) which requires that the proposed development must be preceded by the relevant impact assessment, in this case for palaeontology.

The dam site (Fig. 1) lies entirely on ancient, igneous rocks of the Kaap Valley Granite (hornblende-biotite granite) that are too old of the incorrect type to preserve any fossils at all (Fig. 2). This is confirmed by the grey colouration in the SAHRIS palaeosensitivity map (Fig. 3). Since there is no chance of any fossils occurring in the dam footprint or environs, we request exemption from any further palaeontological studies, as far as the palaeontology is concerned, that the project may be authorised.

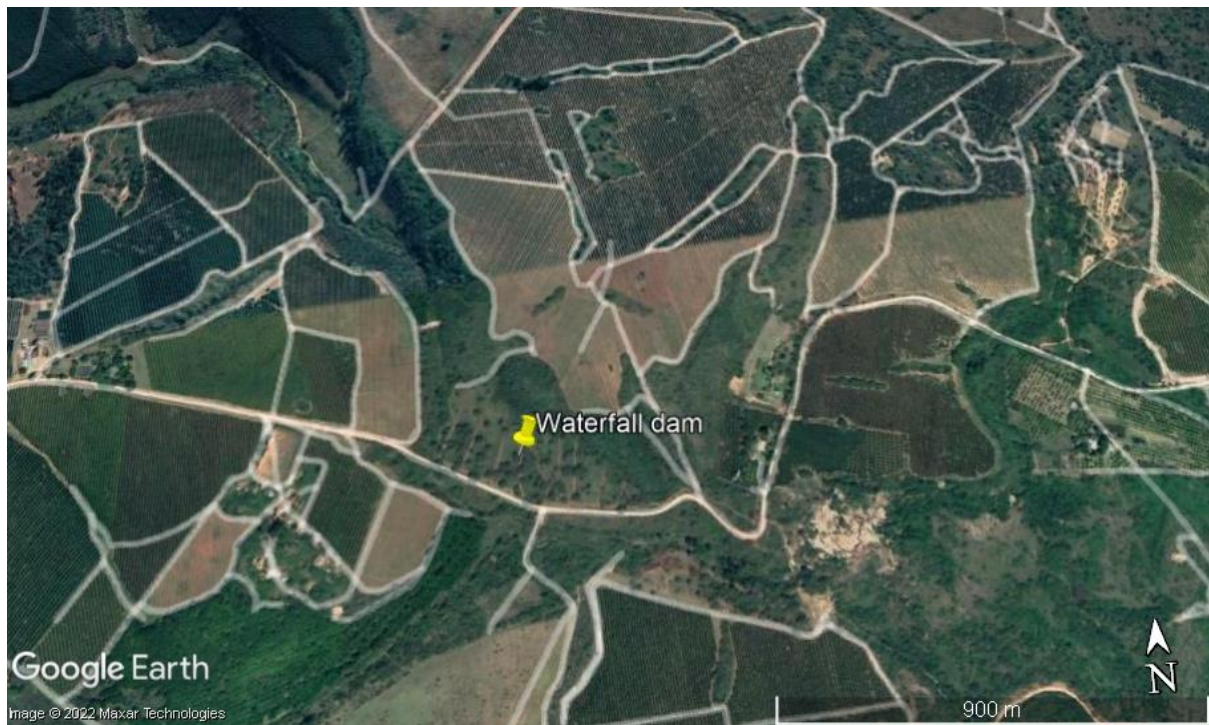


Figure 1: Google Earth site map for the proposed Waterfall 461 JT farm dam indicated by the yellow pin. Coordinates: 25° 35' 56.81"S and 30° 53' 58"E.

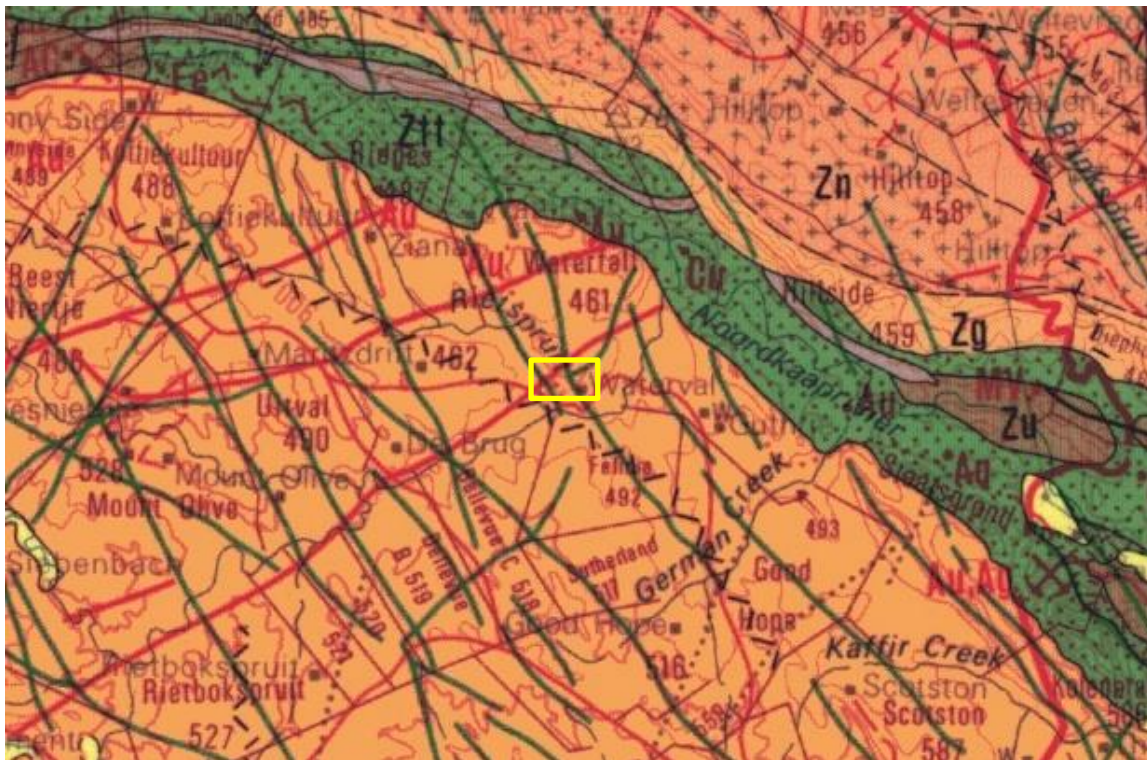


Figure 2: Geological map of the area around the dam site. The location of the proposed project is indicated within the yellow rectangle. Abbreviations of the rock types are: Zk = Kaap Valley Granite. Map enlarged from the Geological Survey 1: 250 000 map 2530 Barberton.

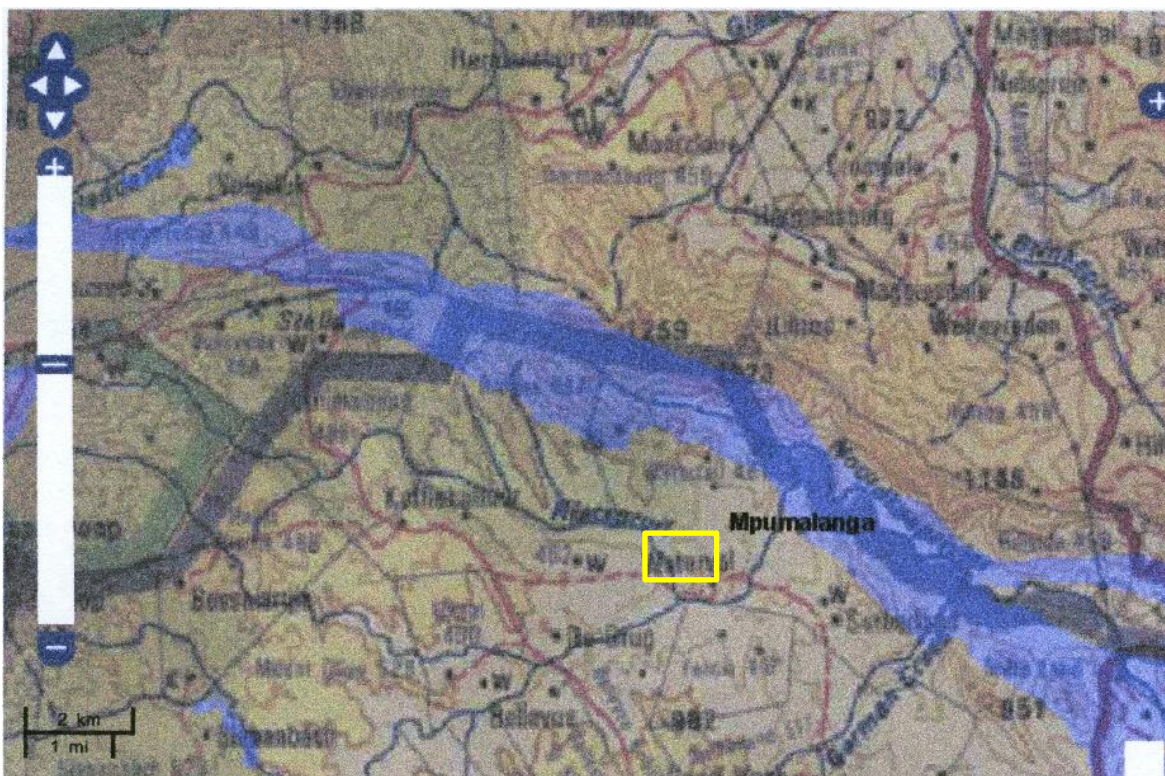


Figure 3: SAHRIS palaeosensitivity map for the site for the proposed Waterfall 461 JT farm dam shown within the yellow rectangle. Background colours indicate the following degrees of sensitivity: red = very highly sensitive; orange/yellow = high; green = moderate; blue = low; grey = insignificant/zero.

Yours faithfully

Prof Marion Bamford
Palaeobotanist; PhD (Wits 1990)

Declaration of Independence

This letter has been compiled by Professor Marion Bamford, of the University of the Witwatersrand, sub-contracted by Kudzala, South Africa. The views expressed in this report are entirely those of the author and no other interest was displayed during the decision making process for the Project.

Specialist: Prof Marion Bamford

Signature: