

LETTER OF RECOMMENDATION FOR THE EXEMPTION FROM FURTHER PALAEOLOGICAL STUDIES

For: Palaeontological Assessment for proposed construction of 4 weirs and a road culvert on Portion 3 of the Farm Roodekrans 133JT, Dullstroom Area, Mpumalanga

Client: Exigo Sustainability (Pty) Ltd

Date: 22 February 2016

Methodology:

The geology of the area where development is proposed to take place was studied.

Findings:

The three dominant geological outcrops in the study area are diabase of the Bushveld Igneous Complex and the Lakenvallei Formation and the Vermont Formation of the Pretoria Group of the Transvaal Supergroup (Geological Survey, 1986).

The Lakensvlei Formation is a medium-grained, cross-bedded and ripple-marked feldspathic quartzite with thin conglomerate layers and gritty lenses. The Vermont Formation consists of fine-grained hornfels with sedimentary structures near the top and base, layers of silt and sandstone and minor layers of carbonate and talc-silicate rocks. It is part of the Pretoria Group of the Transvaal Supergroup which predates the Bushveld Igneous Complex.

The only geological outcrop that could potentially be fossiliferous is the Vryheid Formation of the Ecca Group of the Karoo Supergroup several kilometres south southwest of the study area.

Conclusion:

Due to the improbability of fossils occurring in the study area it is recommended that the project should be exempted from further palaeontological studies.



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