Synchrotron scanning of Tritylodon, Pachygenelus, Lumkuia and Megazostrodon and the origin of mammalian central nervous system

Our Ref: 11136



an agency of the Department of Arts and Culture

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CaseID: 11136

Date: Wednesday August 23, 2017

Page No: 1

PermitID: 2582

### **PERMIT: Export (Temporary)**

In terms of Section 32(19) of the National Heritage Resources Act (Act 25 of 1999)

Permit Holder: Dr Julien Benoit

University of the Witwatersrand

Evolutionary Studies Institute (ESI); School of Geosciences, University of the Witwatersrand,

Braamfontein, 2050, Johannesburg, South Africa

**Object:** BP/1/5088, BP/1/4778, BP/1/5691, BP/1/5110, BP/1/2669, BP/1/4983, BM-17-3L, SAM-PK-11112

#### For temporary export of the following eight (8) objects:

2x Tritylodon longaevus (BP/1/5088 & BP/1/4778); *Pachygenelus* sp. (BP/1/5691); *Pachygenelus monus* (BP/1/5110); *Lumkuia fuzzi* (BP/1/2669); *Megazostrodon* sp. (BP/1/4983); mammaliaform (BM-17-3L); Biarmosuchia (SAM-PK-K11112)

The permit is issued to Dr. Julien Benoit (Evolutionary Studies Institute, University of the Witwatersrand), in collaboration with Dr. Vincent Fernandez (ESRF) and Dr. Paul Tafforeau (ESRF), to temporarily export eight fossil specimens for synchrotron analysis at European Synchrotron Radiation Facility (ESRF) from October to November 2017. The material is currently housed at the Evolutionary Studies Institute, University of the Witwatersrand and Iziko Museums of SA.

#### Conditions:

- 1. Only the selected representatives of the material stored in the collection may be exported.
- 2. The material must be carefully packed and all packaging must be clearly marked with the name of the site (if known), and the name and address of the permit holder or the Evolutionary Studies Institute, University of the Witwatersrand.
- 3. The material will be hand-carried by Dr. J. Benoit to and from ESRF, Grenoble, France.
- 4. Drs. J. Benoit, V. Fernandez and P. Tafforeau are responsible for the analysis of the material and Dr. J. Benoit for its transport to (25 October 2017) and from (2 November 2017) the above mentioned institutions/collections.
- 5. The samples must be used for study purposes only, and may not be sold or exchanged.

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CaseID: 11136

Date: Wednesday August 23, 2017

Page No: 2

PermitID: 2582

- 6. The material may not be loaned to any person or institution other than the above stated participants in the study, without the consent of SAHRA.
- 7. No destructive analysis or sampling may be undertaken.
- 8. A report on the activities undertaken in terms of this permit must be lodged with SAHRA before 31 December 2017.
- 9. Copies of any papers that may result from the export of the material must be lodged with SAHRA.
- 10. SAHRA shall not be liable for any losses, damages or injuries to persons or properties as a result of any activities in connection with this permit.
- 11. SAHRA reserves the right to cancel this permit by notice to the permit holder.
- 12. Request to renew permits must be done at least two months prior to the expiry of the existing permit.

This permit is valid from

23/08/2017 to 31/12/2017

Ragna Redelstorff

Heritage Officer

South African Heritage Resources Agency

John Gribble

Manager: Maritime and Underwater Cultural Heritage Unit / Acting Manager: Archaeology, Palaeontology and

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CaseID: 11136

Meteorites Unit South African Heritage Resources Agency

Additional Info:

Date: Wednesday August 23, 2017

Page No: 3

PermitID: 2582

Please note that this permit may be suspended should an appeal against the decisions be received by SAHRA within 14 days from the date of the permit. SAHRA may not be held responsible for any costs or losses incurred in the event of the suspension or retraction of this permit.

**ADMIN:** Direct URL to case: http://www.sahra.org.za/node/398977