

PERMIT: Sampling

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

Permit Holder: Prof. Anusuya Chinsamy-Turan
University of Cape Town
Dept. of Biological Sciences
University Avenue
John Day Building
Rondebosch, 7700

Object: SAM-PK-K291, SAM-PK-8946, SAM-PK-11939, SAM-PK-11994, SAM-PK-12088, SAM-PK-12233

For sampling of the following 6 specimens from Iziko Museums of South Africa:

SAM-PK-K291, SAM-PK-8946, SAM-PK-11939, SAM-PK-11994, SAM-PK-12088, SAM-PK-12233

Dr Anusuya Chinsamy-Turan applied for a permit for destructive analysis of dinocephalian bone for bone histological analysis. Analysis will include sectioning or drilling (1 cm diameter) of specimens to extract samples of bone, which will be processed to thin sections. Specimens were selected due to their already incomplete and/or poorly preserved nature. Analysis will take place in Dr Chinsamy-Turan's lab in the Department of Biological Sciences at the University of Cape Town.

This permit is issued to Dr Anusuya Chinsamy-Turan, Professor at University of Cape Town, in collaboration with Dr Christen Shelton, Postdoctoral Research Fellow at University of Cape Town, to section and/or drill the selected representatives of dinocephalian fossil material as agreed by the curator Dr Roger Smith, Iziko Museums of South Africa. Selected specimens consist of the femur of a juvenile *Anteosaurus* (SAM-PK-K291), ulna of *Keratocephalus moloch* (SAM-PK-8946), bone fragments of *Struthiocephalus* (SAM-PK-11939), humerus of *Jonkeria* (SAM-PK-11994), associated bones of *Anteosaurus* (SAM-PK-12088) and bone fragments of *Jonkeria parva* (SAM-PK-12233) from the Middle Permian Karoo Supergroup (*Tapinocephalus* Assemblage Zone).

Conditions:

- Sampling may not reduce the structural integrity, overall completeness or the potential for future morphometric and descriptive research.
- A permit report on the activities of this permit is due on **31 August 2016**.
- Reprints of all the published papers or copies of these and/or reports resulting from this work must be lodged with the heritage authority.
- SAHRA shall not be liable for any losses, damages or injuries by or to persons or properties as a result of

Histological Sampling of Dinocephalian material

Our Ref: 7788

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CaseID: 7788

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an agency of the
Department of Arts and Culture

any activities in connection with this permit.

- SAHRA reserves the right to cancel this permit by notice to the permit holder.

This permit is valid from **20/08/2015 to 31/08/2016**.

Ragna Redelstorff
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
Heritage Officer
South African Heritage Resources Agency

Additional Info:

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.



The South African Heritage Resources Agency

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