



PERMIT: Analysis

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

Permit Holder: Christen Shelton
University of Cape Town

Object: BPI-5591 (4), BPI-5591 (3), BPI-5591 (2), BPI-5591 (1), BPI-7168 (1), BPI-7168 (2), BPI-7380, BPI-7186

For sampling of the following 8 specimens housed at the Evolutionary Studies Institute (ESI), University of the Witwatersrand (Wits):

BP/1/5591: femur, rib, radius, rib or fibula; BP/1/7168: scapula, rib; BP/1/7186: rib; BP/1/7380: humerus

Dr Christen Shelton applied for a permit to sample dinocephalian skeletal elements for bone histological analysis. The destructive 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 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 Bernhard Zipfel, ESI. Selected specimens consist of a femur, rib, radius and rib or fibula of *Anteosaurus* (BP/1/5591) from Rheboksfontein, Northern Cape; scapula and rib of probably *Titanosuchus* (BP/1/7168) from Sutherland, Northern Cape; rib of a tapinocephalid from Sutherland, Northern Cape; and a humerus of a tapinocephalid (BP/1/7380) from Sutherland, Northern Cape.

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 December 2017**.
- Reprints of all the published papers or copies of these and/or reports resulting from this work must be lodged with the heritage authority.



Histological and Palaeobiological Assessment of Dingocephalia

Our Ref: 8583

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CaseID: 8583

Date: Wednesday December 02, 2015
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an agency of the
Department of Arts and Culture

- SAHRA shall not be liable for any losses, damages or injuries by or to persons or properties as a result of 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 **01/12/2015 to 31/12/2016**.

Ragna Redelstorff
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
SAHRA Head Archaeologist (Acting)
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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