



an agency of the  
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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CaseID: 9480

Date: Tuesday July 19, 2016  
Page No: 1

PermitID: 2309

## PERMIT: Analysis

### In terms of Section 35(4) of the National Heritage Resources Act (Act 25 of 1999)

Permit Holder: Dr Deano Duane Stynder  
University of Cape Town - Archaeology  
Department of Archaeology  
University of Cape Town  
Private Bag

Object: SAM-PQL 12023, 40009, 40011, 40116, 40017A, 40983, 42561, 55000A, 20192, 30100, 69078, 33717, 42673, 45610, 45620, 45621, 45766A, 50436, 50515

To: Patricia Aulsebrook  
South Africa

**For sampling of the following 19 fossil molars of proboscidean specimens from Langebaanweg E Quarry within the West Coast Fossil Park National Heritage Site:** SAM-PQL 12023, 40009, 40011, 40116, 40017A, 40983, 42561, 55000A, 20192, 30100, 69078, 33717, 42673, 45610, 45620, 45621, 45766A, 50436, 50515

This permit is issued to Dr. Deano Stynder (Department of Archaeology, University of Cape Town), in collaboration with Dr. Judith Sealy (Department of Archaeology, University of Cape Town) and Patricia Groenewald (Master's student in Department of Archaeology, University of Cape Town), for invasive sampling of tooth enamel surfaces from 19 proboscideans *Anancus capensis* (8 samples), *Mammuthus subplanifrons* (3 samples) and *Loxodonta cookei* (8 samples) for isotope analysis. Specimens were selected due to their already fragmented nature. The material is currently housed in the Iziko Museums of South Africa.

#### Conditions:

- Sampling may not reduce the structural integrity, overall completeness or the potential for future morphometric and descriptive research.
- No paratype material may be sampled.
- Analysis will take place in the Department of Archaeology at the University of Cape Town.
- A permit report on the activities of this permit is due on **31 July 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.

**Sampling of fossilised proboscidean teeth from Langebaanweg for stable isotope analysis**

**Our Ref: 9480**



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- 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 **19/07/2016 to 31/07/2017**.

Ragna Redelstorff  
Heritage Officer  
South African Heritage Resources Agency

Phillip Hine  
Heritage Officer: Permitting  
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.