

Sampling of fossilised proboscidean teeth from Langebaanweg for stable isotope analysis

Our Ref: 9480



an agency of the
Department of Arts and Culture

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CaseID: 9480

Date: Tuesday July 19, 2016
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Letter

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

Attention: Dr Deano Duane Stynder
University of Cape Town - Archaeology
Department of Archaeology
University of Cape Town
Private Bag
Rondebosch 7701
South Africa

This proposal is for the sampling of 19 fossilised proboscidean teeth from Langebaanweg 'E' Quarry, Hopefield, for stable carbon and oxygen isotope analysis. Previous studies have focused on other species, but there have been no analyses of the stable isotope ecology of the keystone megaherbivores of the LBW palaeocommunity. We aim to address this gap in our understanding of the LBW foodweb by investigating niche differentiation among three species of proboscidean.

Dear Dr. Deano Stynder,

Thank you for your application for invasive sampling of 19 fossil molars of the proboscidean specimens *Anancus capensis*, *Mammuthus subplanifrons* and *Loxodonta cookei* from Langebaanweg E Quarry within the West Coast Fossil Park National Heritage Site for isotope analysis at the UCT Department of Archaeology. SAHRA has reviewed your application and decided to approve it.

We wish you every success with this project.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

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Ragna Redelstorff
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
Heritage Officer: Permitting
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/362369>

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.