

Our Ref:



an agency of the
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
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Enquiries: Ragna Redelstorff, PhD

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CaseID: 17124

Date: Tuesday October 26, 2021

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Letter

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

Attention: Dr Michael Toffolo

CNRS-Univerité Bordeaux Montaigne

Sediment and bone samples were collected to perform a number of analyses. More specifically, sediments will be analyzed using infrared spectroscopy and micromorphology. Infrared spectroscopy provides a chemical characterization of sediments, bones and teeth that allows understanding their composition and state of preservation. Micromorphology allows the reconstruction of site formation processes based on the identification of microscopic sedimentary structures in thin sections of sediment. Teeth will be analyzed with infrared spectroscopy and dated using electron spin resonance (ESR). ESR dating provides accurate age determinations based on the accumulation of electrons in hydroxyapatite minerals. The aim of these analyses is to obtain accurate age determinations, reconstruct site formation processes, and the degree of preservation of faunal material.

Dear Dr Toffolo and Dr Rossouw,

Thank you for your application to permanently export samples of sediment, undiagnostic bone fragments and one tooth from Lovedale, and samples of sediment, undiagnostic bone fragments and seven teeth from Damvlei, Free State Province.

SAHRA has reviewed the application and has 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, PhD

Heritage Officer

South African Heritage Resources Agency

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/582697>

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.