

Genetic diversity of Zulu cattle

PermitID: **3360** REF: **SAH21/17386**

Issued under section 40(8) of the KwaZulu Natal Amafa and Research Institute Act (Act 05 of 2018) and section 35 of the National Heritage Resources Act (Act 25 of 1999)

Permit Holder: Michelle House

University of Cape Town - Archaeology

Approval is hereby given to **Michelle House of University of Cape Town - Archaeology** in accordance with the application received on **21/10/2021**, for **Export (Temporary)** of the object/s: **UMG/KWAB-Cattle Tooth Specimen-BATCH.**

This proposal seeks to sample aDNA from cattle in varying contexts of Zulu settlements. It is hoped that we can identify breeding strategies to comment on site interconnectedness and interaction amongst Zulu groups.

This permit is issued on condition that the applicant provides the time frame for the analysis, the export permit from SAHRA and Customs before teeth are released into their custody.

Failure to comply with the requirements of the National Heritage Resources Act and the KwaZulu-Natal Amafa and Research Institute Act could lead to legal action being instituted against the applicant.

This permit is valid from **12/11/2021 to 12/11/2024 AND IS NOT TRANSFERABLE.**



John Pakwe
Heritage Officer
KwaZulu-Natal Amafa and Research Institute



Mxolisi Dlamuka
Head of Secretariat and Administration



HERITAGE IDENTIFICATION, MANAGEMENT & PROTECTION

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Date: Monday February 14, 2022

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Additional Info:

This application seeks permission to temporarily export cattle teeth from the archaeological Zulu Royal Amakhanda, uMgungundlovu, and KwaBulawayo for ancient DNA analysis at the Ludwig Maximillians University of Munich, Germany. These cattle were derived from herds that belonged to local Zulu people who resided at the royal Amakhanda. In the longer term, if the intact DNA is extracted from these historic sites, this project may be able to be extended into the deeper past, exploring the genetic relationships between cattle kept by different cultural groups and urban centres in deeper times of Southern Africa.

Please note that this permit may be suspended should an appeal against the decisions be received by the KwaZulu Natal Amafa and Research Institute within 14 days from the date of the permit. The KwaZulu Natal Amafa and Research Institute may not be held responsible for any costs or losses incurred in the event of the suspension or retraction of this permit.

ADMIN: Direct URL to case: <https://sahris.sahra.org.za/node/587634>