

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.

Conditions:

This permit is issued subject to the following conditions:-

1. That the permit is issued strictly for the purpose/s as set out in the application;
2. That in the event of any contemplated deviation, the prior written approval of KwaZulu Natal Amafa and Research Institute must be obtained;
3. In such event, a written motivation in support of such deviation must be submitted to KwaZulu Natal Amafa and Research Institute for consideration and;
4. No deviation will be permitted without the prior written approval of KwaZulu Natal Amafa and Research Institute.
5. Where applicable, KwaZulu Natal Amafa and Research Institute shall have the right to inspect the site at any time;
6. Monthly reports are to be submitted to KwaZulu Natal Amafa and Research Institute on the work being conducted and the findings;
7. Monthly reports are to be accompanied by the relevant National Site Record forms;
8. A final report on the work conducted and the findings must be submitted to KwaZulu Natal Amafa and Research Institute not later than thirty three (33) days from the date of expiration of this permit, extensions are negotiable;
9. Copies of any papers compiled or published as a result of the work conducted or the findings made must be provided to KwaZulu Natal Amafa and Research Institute;
10. KwaZulu Natal Amafa and Research Institute shall not be liable for any loss, damage or injuries to any person/s or property caused by any of the activities conducted by the Applicant;
11. Where artefacts located at the site are, in terms of this permit, exported for research or other purposes, same must be returned immediately upon completion of the research or other activity to KwaZulu-Natal Amafa and Research Institute.
12. All archaeological and paleontological Material become, on discovery, the property of the Province of KwaZulu-Natal and must be lodged at the repository of KwaZulu-Natal Amafa and Research Institute.

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13. It is the responsibility of the Applicant to ensure that artefacts are preserved in its original state while in his/her possession;

14. The Applicant shall be liable for any damage or destruction caused at any site or to any artefact.

15. FAILURE TO COMPLY WITH THESE CONDITIONS WILL RENDER ANY ACTIVITY CONDUCTED UNLAWFUL, AND KWAZULU NATAL AMAFA AND RESEARCH INSTITUTE RESERVES THE RIGHT TO CANCEL THIS PERMIT AND TO INSTITUTE CRIMINAL AND/OR CIVIL ACTION AGAINST THE PERSON/S RESPONSIBLE.

16. The issuing of this permit does not exempt the Applicant from compliance with any other law, where applicable.

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

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 Maximilians 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.

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