**Export/sampling permits**

Please note an export permit must be linked to an object or site that has to be created on SAHRIS! If the object/site you want to work on has not been created yet, you would need to do so. Thanks!

The proposal should include (you can fill these in below):

* a list of participants (name, affiliation, phone no, email addresses) and how they are involved;
* the name and address of the facility, including address, it is being scanned at;
* name and address of the museum/university department that currently hosts the object;
* names of the responsible person(s) during transport and while the fossil is at the facility;
* the period/time frame during which the fossil(s) will be outside the country;
* detailed information on the fossil(s), especially as it is a "unique" specimen;
* detailed information on the research project behind it & methodology including expected outcomes (i.e., the reason for export);
* the written confirmation of the institution that currently hosts the object that the object may be used as proposed and be returned in good condition;
* should there be any damage/destructive analysis (e.g., coating for higher resolution) undertaken, this needs to be stated in detail;
* Statement why this study cannot be done in South Africa.

**Applicant (name and affiliation): this is usually the museum curator!**

Dr. Teresa E. Steele, Associate Professor, Anthropology Department, University of California, Davis, Davis, CA 95616 USA; +1-530-554-2804

Or Jayson Orton, if SAHRA prefers this.

**Applied for (principal researcher):**

Dr. Teresa E. Steele, Associate Professor, Anthropology Department, University of California, Davis, Davis, CA 95616 USA; +1-530-554-2804

**Participants with affiliations, email addresses, phone numbers (& their role):**

1) Dr. Jayson Orton, Archaeological Services and Heritage Assessment, [jayson@asha-consulting.co.za](mailto:jayson@asha-consulting.co.za); +27 (0)21-788-8425

Role: Co-Principle Investigator, Permit holder, specialist in Later Stone Age artifacts

2) Dr. Alex Mackay, University of Wollongong, [mackay.ac@gmail.com](mailto:mackay.ac@gmail.com); +27 (0)72 025 7745

Role: Co-Principle Investigator, specialist in Middle Stone Age artifacts

3)

Role:

The material will be **sent by air courier** to the Zooarchaeology Laboratory (Young 204), Department of Anthropology, University of California, Davis (facility/institution) in August 2015 (month, year) mailed by Dr. Alex Mackay via DHL (name of person responsible for transport) and couriered back by FedEx sent by Dr. Teresa Steele (leave blank if same person as above).

DHL (name) will be involved with the transport (e.g., transport/scanning) of objects and Dr. Steele’s undergraduate and graduate students may assist with the zooarchaeological analysis (whatever else).

**Institution incl. address that currently hosts the object:**

The material will eventually be curated at IZIKO South African Museum but the material has not yet been accessioned. The material is currently stored in the Department of Archaeology at the University of Cape Town.

**Facility incl. address at which the research will be done:**

Zooarchaeological Laboratory (Young 204)

Department of Anthropology

University of California, Davis

One Shields Ave.

Davis, CA  95616-8522 USA

**Table of objects or upload file: I could prepare an excel file of material to export**

**Site including age at which object was found:**

Varsche Rivier (VR)003, located on farm Varsche Rivier 260, Matzikama, Western Cape Province

The materials relevant to this request are Middle Stone Age and pre-Still Bay. We don’t yet know exactly how old.

**Time frame:**

Transport to UC Davis (facility): August 2015(date)

Return date: 31 August 2016 (date)

**Aim/rationale:**

This permit application seeks permission to export select faunal material from Varsche Rivier (VR) 003 for zooarchaeological analysis in Dr. Teresa Steele's laboratory in the Department of Anthropology, University of California, Davis, CA 95616 USA. This would be the piece-plotted and sieved faunal material from Sector I excavated in 2014 and 2015 only. I would like to conduct a detailed zooarchaeological analysis of the complete assemblage, which requires a significant time commitment and therefore could be best achieved at my home institution. In particular I would like to collect data on burning on all pieces, including small unidentifiable fragments. These data are necessary to complement data being collected on the stone artifacts to investigate the potential that silcrete was intentionally heated as a component of the lithic technology. In conjunction with this analysis, I will conduct a standard zooarchaeological analysis. I will have access to comparative material housed in the Department of Anthropology and in the Museum of Wildlife and Fish Biology at UC Davis, the Museum of Vertebrate Zoology at UC Berkeley, and the California Academy of Sciences. In particular, the California Academy of Sciences has a large collection of African vertebrates.

Sample represents <50% of the excavated material. All of the material excavated in 2009 and 2011 remains in Cape Town. In addition, we have two main excavation areas in the site, Sector I and Sector IV/V. Permission is requested for only the Sector I faunal material excavated in 2014 and 2015. This is 887 piece-plotted bones (12% of the total piece-plotted sample for the site) and 87 aggregates from screening (9.5% of the total number of buckets excavated from the site). The samples will be shipped via air-freight using an international courier. The samples were excavated in June-July 2014 and April 2015 and therefore they have not yet been accessioned into Iziko: South Africa Museum. The 2011, 2014 and 2015 materials are currently stored in the Archaeology Department at the University of Cape Town. Jayson Orton and Alex Mackay are co-PIs on this project.

**Methodology (short):**

Zooarchaeological analysis which includes the identification of each piece-plotted specimen, when possible, to species, skeletal element and portion, and the recording of detailed surface modifications that were produced by human, carnivore and natural agents on all piece-plotted specimens.

In particular, I would like to record burning data on all bones, even the aggregates of the bones retained from screening to support our heat treatment of silcrete studies. This data collection is very time consuming and therefore best performed at my home institution.

**Confirmation/permit by museum (**Attached?):

Not applicable

**Damage/destructive analysis? (if yes, explain in detail)**

No

**Statement why this study cannot be done in South Africa:**

I am unable to take the time necessary to complete this analysis away from my university and family. In addition, shipping the collection is more cost effective than paying for me hotel room and expenses during analysis. Granted, archaeological materials are priceless, and every effort will be made to ensure their secure transport.