



FOR OFFICIAL USE ONLY:

File No.: Date received: Date
approved:.....
Applicant: Site /
Object:

SOUTH AFRICAN HERITAGE RESOURCES AGENCY
111 HARRINGTON STREET, CAPE TOWN, 8001
PO BOX 4637, CAPE TOWN, 8000 TEL: 021 462
4502 FAX: 021 462 4509

**APPLICATION FOR PERMIT:
HERITAGE OBJECTS**
(including export of archaeological and palaeontological material and meteorites)

Please note: Permit Applications expire one year after the date of receipt.

In terms of the National Heritage Resources Act of 1999 (Act No.25 of 1999), this application form must be completed by anyone applying for a permit to:

- (a) destroy, damage, disfigure or alter a heritage object or disperse a collection of heritage objects; or
- (b) carry out any work of restoration or repair of a heritage object; or
- (c) export a heritage object listed in the register of heritage objects held by SAHRA; or
- (d) export a type of heritage object as listed in the register of heritage objects and declared in the Government Gazette; or
- (e) trade in or sell for private gain:
 - (i) any category of wreck material or object; or
 - (ii) any other category of archaeological or palaeontological material or object; or

(iii) any meteorite.
Other application forms are available for archaeological and palaeontological material and sites (302), for shipwrecks (303), for burials (305), for the built environment and landscape (307) or the registration of private collections (402).

Applicants are advised that without full details no permit may be issued.

A. APPLICANT'S DETAILS

1. Name and address of applicant*:David Morris.....
.....
.....

*In the case of items accessioned in a museum collection, if the applicant is not the curator/scientific research officer in the related field, written approval must be obtained from the institution.

Phone: (H) . 053-8328355 (W) . 053-8392700. (C) .082 2224777 Fax: . 053-8421433 E-mail: ...mmkarchaeology@yahoo.co.uk Identity number of applicant (or passport): ..5706205145086

2. Capacity of applicant. Please circle the appropriate position : Museum curator Archaeologist / Palaeontologist / Geologist
Owner

Agent for sale or auction Other*

* Please furnish extra relevant details on a separate sheet of paper (if new applicant)

3. Name and address of owner/ custodian: ..McGregor Museum [custodian], P.O. Box 316,
.....Kimberley, 8300
.....
.....

Phone: (H) . (As above) (W) (C) Fax:
..... E-mail: Identity number of owner/ custodian:(As above)

.B. DETAILS OF HERITAGE OBJECT(S)

4. Description and number of objects*: **..Up to five sediment samples taken from 2WA at Border Cave.....**

See attached motivation by Dr Paolo Villa.....
.....
.....
.....

* Please supply full description & motivation on a separate sheet of paper. For archaeological and palaeontological materials please include comment from the scientific officer in the related field and details of the project and project manager.

5. Era / period / age / date of object(s) : **.....ELSA (Early Later Stone Age).....**

6. Museum or University accession number: **.....Sediment samples not accessioned.....**

7. Museum or University loan number:

8. For palaeontological and archaeological materials and meteorites give geographical situation of site / object: **.....(Samples recovered during excavation at Border Cave, KZN, housed at McGregor Museum)**

Province: Magisterial district: 1: 50 000 Map no. & name (or SAN chart):
..... Latitude & Longitude: Recording method (GPS, Trig., Other):
..... Farm Name and No.: / Town:
..... Nearest Town: / Street address & Erf #:

9. If it is a listed type or declared heritage object, the number and date of the notice in the Government Gazette: **.....N/A.....**

10. If it is a listed type or declared heritage object, the number of the object or type of object in the register of heritage objects:
.....N/A.....

11. **.....Present location of object(s):...McGregor Museum, Kimberley.....**

12. **.....Please supply a photograph or drawing of object(s) destined for permanent export with a suitable scale.**

C. DETAILS FOR APPLICATION TO EXPORT

13. Name and address of person/institution to whom it is being exported :
Ilaria Degano, Department of Chemistry, via Risorgimento 35, University of Pisa, 56126 Pisa, Italy. Telephone + 39-(0) 50-221-92-58
(Ref: Paolo Villa, Univ of Colorado Museum, UCB 265 Boulder, Colorado 80609-0265 USA)

..... Phone: (H) (W) (C)
..... Fax: E-mail: villap@colorado.edu

14. **.....Please indicate whether for permanent or temporary export and reasons for export:**

Temporary Export: For: Identification Analysis Dating Restoration Exhibition² Sale Other¹ **Permanent**

Export: For: **Identification Analysis** Dating Restoration Exhibition Sale Other¹

1 Please circle relevant words and supply full description on a separate sheet of paper. 2 In the case of significant heritage objects travelling overseas for exhibition please supply copy of loan agreement.

15. Please supply documentation indicating the present condition of the object.
16. Please supply written undertaking of South African cultural institution that the object will be returned in the same condition. N/A
17. In the case of temporary export, for what period will the object be exported?: N/A
From: **To:**

D. DETAILS FOR APPLICATION TO DESTROY, DAMAGE, DISFIGURE, ALTER OR DISPERSE

18. Reason for application (Please supply full motivation):.....
- 19.....Name and address of person who will do the work:.....

20. Destination of objects to be dispersed:

21. For what period will the permit be required?: **From**
 **To**

E. DETAILS FOR APPLICATION TO TRADE IN OR SELL FOR PRIVATE GAIN

22. Reason for application (Please supply full motivation on separate sheet):

23. Address from which items will be sold or traded:

24. Destination of items to be traded or sold :

25. For what period will the permit be required?: **From**
 **To**

I,Dr David Morris

undertake strictly to observe the terms, conditions, restrictions, regulations and guidelines, under which the Council may issue the permit to me.
Signature: **Place:**.....
 (Signature of Applicant. Note: if neither the applicant nor the Institution qualifies as the owner then a letter of approval from the owner must be included in the documentation)
Date:

Where the object(s) reside in a public institution:

I, **Head**
of (South African institution/ responsible department, where the applicant is
hereby state that I support the application.
 Signature:..... Date:.....

It is proposed to submit sediment samples from Border Cave stored at the McGregor Museum for chemical analysis by the Ilaria Degano, Researcher at the Department of Chemistry, University of Pisa. (She had previously done the analysis of the pitch glued to three of the BC microliths, and the beeswax, published in the two PNAS papers of 2012, Villa et al. and d'Errico et al.).

The samples (about 15 g each) would be taken from small lumps of soil taken during the excavation of the 1970's from the 2WA layer (one of the layers we published in the PNAS 2012 Villa et al.). They contain an unusual concentration of salts that has no equivalent in the cave sediments, interpreted at the time as a possible accumulation from human urine. If the sample (illustrated on plate 29 of Beaumont's thesis) contains organic components to confirm the preliminary analysis done in 1972, then the chloride could be human urine: it would be quite interesting and unusual, since the salt area was up to 18 cm thick in squares R16-17 at the base of layer 2WA.

The objective of the analysis is the correct identification of possible organic components. Ilaria Degano is interested and has the equipment and experience to identify organic components – if present.

Laboratory: Ilaria Degano, Department of Chemistry, via Risorgimento 35, University of Pisa, 56126 Pisa, Italy. Telephone [+ 39-\(0\) 50-221-92-58](tel:+390502219258) (work).