

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

FOR OFFICIAL USE ONLY:

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

**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.

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

A. APPLICANT'S DETAILS

1. Name and address of applicant* : DR. ROGER SMITH
IZIKO SOUTH AFRICAN MUSEUM
P O BOX 61
CAPE TOWN 8000

**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) 021: 671 4244 (W) 021: 481 3879 (C) 082 723 2804

Fax: 021: 481 3993 E-mail: rsmith@iziko.org.za

Identity number of applicant: 5101025066102

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:

.....

.....

.....

.....

Phone: (H) (W) (C)

Fax: E-mail:

Identity number of owner/ custodian:

B. DETAILS OF HERITAGE OBJECT(S)

4. Description and number of objects*: SEE ATTACHED SHEET

** 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) : LATE CRETACEOUS
 6. Museum or University accession number: SEE ATTACHED SHEET
 7. Museum or University loan number : 7.45.1

8. For palaeontological and archaeological materials and meteorites give geographical situation of site / object: SEE ATTACHED SHEET

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:

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:

11. Present location of object(s): IZIKO SOUTH AFRICAN MUSEUM

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 : DR. ANTHONY HERREL,
CNRS/MNHN (PARIS MUSEUM OF NATURAL HISTORY), DÉPARTEMENT D'ÉCOLOGIE
ET DE GESTION DE LA BIODIVERSITÉ, 55 RUE BUFFON, BAT ANATOMIE COMPAREE
CP 55, 75005, PARIS CEDEX 5, FRANCE
 Phone: (H) (W) ++33.140798120... (C)
 Fax: ++33.140.793.773... E-mail: anthony.herrel@mnhn.fr.....

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. MORPHOLOGICAL STUDY + CAT SCANNING

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. **SEE ATTACHED SHEET**
- 16. Please supply written undertaking of South African cultural institution that the object will be returned in the same condition. **SEE LOAN AGREEMENT**
- 17. In the case of temporary export, for what period will the object be exported?:
 From: MAY 2012 To: MAY 2013

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

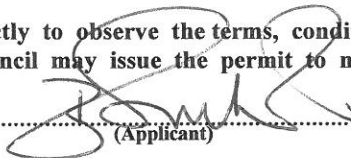
- 18. Reason for application (Please supply full motivation):
- 19. Name and address of person who will do the work :
- 20. Destination of objects to be dispersed:
- 21. For what period will the permit be required?:
 From To

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

- 22. Reason for application (Please supply full motivation):
- 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

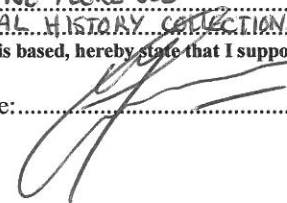
I, ROGER SMITH

undertake strictly to observe the terms, conditions, restrictions, regulations and guidelines under which the Council may issue the permit to me.

Signature:  (Applicant) Place: Cape Town
Date: 4-5-12

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

I, WAYNE FLORENCE ACTING Head of NATURAL HISTORY COLLECTIONS, ISAM (South African institution or responsible department) where the applicant is based, hereby state that I support the application.

Signature:  Date: 4-5-12

Accession No.	Genus	Species	District	Gov Farm & Number	Farm Name/ Place	Map No.	Latitude	Longitude	Age	Condition	General Comments
SAM-PK-K9351	Vulcanobatrachus	mandelai	Prieska	Stomp Oor 109	Stompoor	2921DD	29°50'54.1"S	21°49'36.5"E	Late Cretaceous	Fair	Fully articulated, partially covered. Part & partial counterpart (a & b).
SAM-PK-K9682	Vulcanobatrachus	mandelai	Prieska	Stomp Oor 109	Stompoor	2921DD	29°50'54.1"S	21°49'36.5"E	Late Cretaceous	Fair	Small covered articulated frog.
SAM-PK-K9706	Vulcanobatrachus	mandelai	Prieska	Stomp Oor 109	Stompoor	2921DD	29°50'54.1"S	21°49'36.5"E	Late Cretaceous	Fair	Large legs, and small articulated frog preserved in claystone. Part & counterpart (a & b).
SAM-PK-K10440	Vulcanobatrachus	mandelai	Prieska	Stomp Oor 109	Stompoor	2921DD	29°50'54.1"S	21°49'36.5"E	Late Cretaceous	Fair	Medium covered frog.

The evolution of the vestibular system and the evolutionary transition from land to water in frogs.

Most amphibians spend part of their life cycle in water (larval stage) and part on land (adult stage).

However, some species do not have a terrestrial stage and are fully aquatic. The evolutionary transition from land to fresh water has taken place several times in frogs, independently in different lineages. The paleobatrachidae are an extinct family of frogs which can be considered an ecological equivalent to living Pipidae, an entirely aquatic family of extant frogs. Like pipids, paleobatrachids have been suggested to be highly aquatic with some terrestrial representatives. Unfortunately, fossil frog skeletons complete enough to be informative about the locomotor repertoire are rare. Previous examinations of the morphology of the vestibular system of two fossil species, one paleobatrachid from the Miocene of France and one pipid from the cretaceous of Niger using CT scans and in comparison to a whole range of extant taxa (50+ species) suggested that the anatomy of the inner ear may be informative with respect to life-style in these animals.

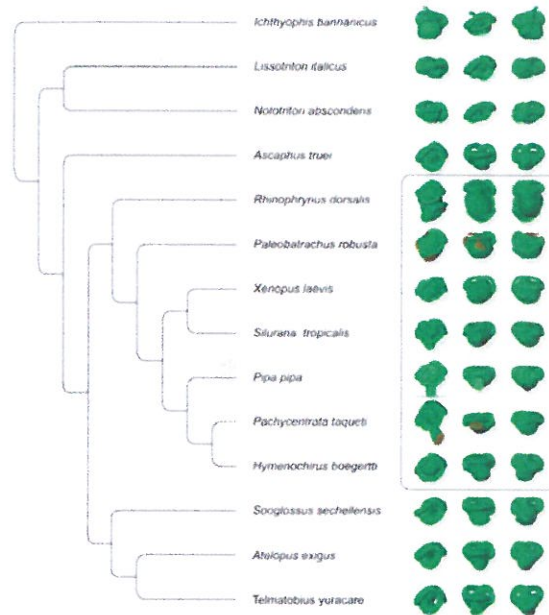


Figure 1: figure illustrating inner ear morphology for a subset of species sampled. Included are two fossil species, one paleobatrachid and one pipid.

In the context of this project we request a loan of 4 *Vulcanobatrachus* specimens (SAM-PK-K9706; SAM-PK-K9682; SAM-PK-K10440; SAM-PK-K9551) to be scanned at the Natural History Museum, Paris (Muséum national d'Histoire naturelle: M.N.H.N.) by Drs Herrel and Boistel. We have tried for the past year to have this material scanned in South Africa at the DABTech centre in Johannesburg. Unfortunately, during this period the scanning machines have not always been unavailable and their staff have not been able to conduct the scans. We would therefore request that the material can be exported to Dr Herrel in France.

Principal investigator:

Dr Anthony Herrel: Research Manager FUNEVOL
UMR 7179 C.N.R.S./M.N.H.N.
Département d'Ecologie et de Gestion de la Biodiversité,
55 rue Buffon, Bat Anatomie Comparee, CP 55, 75005, Paris Cedex
5, France
e-mail: anthony.herrel@mnhn.fr
Tel: [+33-140798120](tel:+33-140798120) - fax: [+33-140793773](tel:+33-140793773)
http://www.mabiodiv.cnrs.fr/RubriquesEnAnglais/Research/Team_FunEvol.html

Collaborators:

Dr Renaud Boistel: Ingénieur de Recherche CNRS
SFA-Université de Poitiers, Bat. B35, 6 rue Michel Brunet
F-86022 POITIERS Cedex
renaud.boistel@univ-poitiers.fr
Tél : [+33.\(0\)5.49.36.63.04](tel:+33-0549366304) - Fax : [+33.\(0\)5.49.45.40.17](tel:+33-0549454017)
<http://iphep.labo.univ-poitiers.fr/renaud%20boistel.html>

Dr John Measey: Senior lecturer

Department of Zoology, Nelson Mandela Metropolitan University
P.O. Box 77000, Port Elizabeth, 6031 South Africa
Tel: [+27 41 504 2421](tel:+27-41-504-2421)
Fax: [+27 41 504 2317](tel:+27-41-504-2317)

**LOAN POLICY AND AGREEMENT FOR KAROO VERTEBRATE MATERIAL
FROM IZIKO SOUTH AFRICAN MUSEUM**


We, the **Paris Natural History Museum**, agree to fulfill the following requirements and conditions of this loan, **7451**.

This form is to be signed by the borrower and an institutional representative who will authorize expenditure that might be required for Iziko to retrieve its material should the loan not be returned.

1. On receipt of the material, a copy of the loan invoice will be signed and returned to the Iziko South African Museum and the loan receipt will also be acknowledged by email.
2. All loaned material will be stored appropriately.
 - a. We agree to keep fossil material separately padded, wrapped or boxed to prevent abrasive damage and breakage.
 - b. We will ensure the safety and identity of Iziko material.
3. We agree to return the specimens within the loan period specified on the loan requisition form. Should an extension be required, we will request it in writing.
4. Should we fail to respond to reminders and/or return material when requested after concerted efforts by the collection manager over a period of time greater than 1 year, our institutional representative agrees to cover all expenses incurred to retrieve the overdue specimens.
5. We agree to advise Iziko of any changes in our contact details.
6. We agree not to remove any of Iziko material from our premises or transfer any of it to another institution without written consent from Iziko.
7. We will not retain any specimens without the permission from Iziko.
8. No specimens or parts thereof will be altered in any way (prepared, sectioned or destroyed) without the written permission of the Director of Natural History. Any parts removed will be returned and clearly identified, with the rest of the specimen.
9. Where we have identified material, EACH specimen will be clearly labelled.
10. When the loan is to be returned:
 - a. We will return it by courier or by hand.
 - b. For courier transport, we will use the same or similar packaging used by Iziko.
 - c. We will not return material during the month of December.
 - d. We will bear all costs.
 - e. We will advise the Iziko collection manager that the material is to be dispatched.
 - f. We will label the parcel **FRAGILE. NO COMMERCIAL VALUE. MUSEUM SPECIMENS ON LOAN FOR RESEARCH.**
11. We agree to acknowledge the use of Iziko South African Museum material and agree to deposit a copy of the associated publication in the Iziko South African Museum library. The acronym, SAM-PK- will be used when referring to South African Museum Palaeontological Karoo material.

Sign and return to: Sheena Kaal Fax: 27(0)21 4813993 email skaal@iziko.org.za

Borrower: Anthony Herrel Signature  Date: 3/05/2012
Borrowing Institution: Muséum National d'Histoire Naturelle, Paris, France

Representative: Anthony Herrel Signature  Date 3/05/2012