

Title of report (noting whether the report is an annual or final report): **Permit renewal for specimens on display at CosmoCaixa, Barcelona**

- ☐ Permit Number: **80/03/06/010/62**
- ☐ SAHRIS Case ID: **2922**
- ☐ Author of report: **Zaituna Erasmus**
- ☐ Date of report: **09 November 2016**
- ☐ Name of SAHRA permit officers on permit: **Dr Ragna Redelstorff**
- ☐ Date of permit issue: **23 July 2013**
- ☐ Report due date:
- ☐ Expiry date of permit: **31 August 2019**
- ☐ Permit Holder - as on permit (name and affiliation): **Dr Roger Smith**
- ☐ Permit To (names and affiliations of researchers): **Álex Pérez Jiménez**
- ☐ Name of locality/site(s): **CosmoCaixa (Museu de la Ciència), Barcelona**
- ☐ Object ID's (or batch ID) reflected on the permit: **Thrinaxodon SAM-PK-K01120 and Mesosaurus SAM-PK-K08409**

B. Executive Summary:

- ☐ Brief summary of the contents of the report (no more than 1000 words).

These specimens form part of a long-term exhibition at the CosmoCaixa, Science Museum of Barcelona that opened in 2003. The exhibition helps to explain the Plate Tectonics using the similarity of the South African Mesosaurus (SAM-PK-K08409) with a Brazilian Mesosaurid specimen/ *The Thrinaxodon liorhinus* (SAM PK K 01120) is an enthralling fossil to explain the origin of mammals in their "Evolution of Life" permanent exhibition.

Both specimens are displayed in showcases and maintained in good environmental conditions of 24°C, 55%RH and UV free lights.

Although these fossils are displayed in an overseas venue Iziko Museums of South Africa still maintains ownership, and CosmoCaixa, the Science Museum of Barcelona, is aware that it does not have the option of acquiring ownership of such fossils

C. SAHRIS Object or Site Links:

- ☐ Provide a list of links to all the relevant objects and/or sites/localities as they appear on the SAHRIS database (preferably as active hyperlinks to object ID's and not as a web address; this can be done by copying the object/site/locality links as they appear on SAHRIS).

D. Location Details: **Thrinaxodon SAM-PK-K01120**

- ☐ Location name(s): **Harrismith Commonage** (Government farm name) – **Harrismith** (Farm name)
- ☐ GPS coordinates: **28°16' 00.0" S 29°08'00.0" E**
- ☐ Adequate mapping: **1:250 000 - 2829AC**
- ☐ Nearest town: **Harrismith**
- ☐ Local District: **Harrismith**
- ☐ Magisterial District: **Harrismith**
- ☐ Province: **Free State**
- ☐ Formation/Subgroup/Group (for palaeontological specimens): **Normandien Formation, Beaufort Group**
- ☐ Approximate age of materials. **252–247 Ma**

Location Details: **Mesosaurus SAM-PK-K08409**

- ☐ Location name(s): **Free State: Tigervalley Theefontein 496** (Government farm name) – **Tiervlei**
- ☐ GPS coordinates: **31°11'00.0" S 19°45'00.0" E**
- ☐ Adequate mapping: **1:250 000 - 3119BB**
- ☐ Nearest town: **Calvinia**
- ☐ Local District: **Calvinia**
- ☐ Magisterial District: **Calvinia**

- ☐ Province: **Northern Cape**
- ☐ Formation/Subgroup/Group (for palaeontological specimens): **Whitehill Formation; Eccca Group**
- ☐ Approximate age of materials: **299–280 Ma**

E. List of all Participating Researchers:

- ☐ Provide a list of all participating researchers/excavators/technicians involved in the project, their qualifications and their affiliated institutions (for excavations or collection the crew should be listed per season).

F. Curation of Materials:

(Does not apply to Filming and Maintenance permits)

- ☐ Name of institution (where the material will be accessioned or is accessioned and will be returned to):

Iziko Museums of South Africa

- ☐ Name of curator: **Dr Roger Smith**

- ☐ Contact details of the curator: **021 481 3879 / rsmith@iziko.org.za**

- ☐ Institutional address: **25 Queen Victoria Street, Cape Town**

- ☐ Institution/facility where the material will be sent to and corresponding details as outlined above (for export permits): **CosmoCaixa, Science Museum of Barcelona; Álex Pérez Jiménez; aperez@fundaciolacaixa.org**

- ☐ How is the material being curated (number of boxes/bags, type of bags, accession list etc.)? **boxes x1 each**

SPECIFIC INFORMATION

(Separate sections relate to specific permit types)

G. Palaeontological Collections and Excavations:

**Please note: SAHRA APM Unit understands the sensitive nature of research data, and would like to stress that the content of the permit report should pay special attention to the methodology used, any site-related issues/problems/challenges experienced during the work undertaken in terms of the permit and details of the curation of excavated/collected materials. This is to ensure that SAHRA is able to keep a record of management issues related to excavations/collections and the location and curation of specimens. A summary of research findings should be presented within the report (please note that these reports are kept private, and may only be given to researchers upon request {at the discretion of SAHRA} after two years from the expiry date of the permit). Detailed research findings can be supplied by the submission of published journal articles in the form of a pdf file.*

Please complete the following table for each field season conducted under this permit. **A list of collected specimens** (including field number/accession number, taxon [if known], type [bone/tooth/impression/footprint and coordinates] must be attached for each section (this can either be included in text or as a separate excel file).

www.sahra.org.za 4

Responsible person 1

Full name:

Responsible person 2

Full name:

Responsible person 3

Full name:

Number of participants

Duration of field work (e.g.,
3-15 May 2016)

Excavation equipment used (e.g., chisel, brush, type of superglue, plaster of Paris, type of synthetics used for casts of tracks)

Description of work/methodology (this

should include any issues or difficulties that occurred related to the permitted activities)

Site management and conservation measures put in place between field seasons and locality closure procedures.