

**read**

Department:  
**Rural, Environment and Agricultural  
Development**  
North West Provincial Government  
**REPUBLIC OF SOUTH AFRICA**



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**DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST**

File Reference Number:  
NEAS Reference Number:  
Date Received:

(For official use only)


Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

**PROJECT TITLE**

Proposed Lodge Development on the Remainder of the Farm Sebele 931 KP, near the Madikwe Nature Reserve, North West Province.

**1. Details of Specialist**

Specialist:  
Contact person:  
Postal address:  
Postal code:  
Telephone:  
E-mail:  
Professional affiliation(s) (if any)

Prof Marion Bamford		
same		
P O Box 652		
Wits 2050	Cell:	082 555 6937
+27 11 717 6690	Fax:	+27 11 717 6694
Marion.bamford@wits.ac.za		
FRSSA, ASSAf, PSSA (president), SASQUA (president)		

Project Consultant:  
Contact person:  
Postal address:  
Postal code:  
Telephone:  
E-mail:

Nuleaf Planning and Environmental		
Peter Velcich		
Postnet Suite 168, Private Bag X844, Silverton		
0127	Cell:	+27 82 442 0220
012 753 5792	Fax:	086 571 6292
peter@nuleafsa.co.za		

2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

Professional palaeontologist; lecturer, researcher, over 20 years experience in Palaeontological Impact Assessments.

Curriculum vitae – Marion Bamford PhD  
January 2016

**I) Personal details**

Surname : Bamford  
First names : Marion Kathleen  
Identity Number : 6110250256188  
Present employment : Personal Professor, and Member Executive Committee of the Evolutionary Studies Institute and NRF/DST Centre of Excellence for Palaeosciences, University of the Witwatersrand, Johannesburg, South Africa; July 2013 -  
Telephone : +27 11 717 6690  
Fax : +27 11 717 6694  
Cell : 082 555 6937  
E-mail : marion.bamford@wits.ac.za

**ii) Academic qualifications**

Tertiary Education: All at the University of the Witwatersrand:  
1980-1982: BSc, majors in Botany and Microbiology. Graduated April 1983.  
1983: BSc Honours, Botany and Palaeobotany. Graduated April 1984.  
1984-1986: MSc in Palaeobotany. Graduated with Distinction, November 1986.  
1986-1989: PhD in Palaeobotany. Graduated in June 1990.

**iii) Professional qualifications**

Wood Anatomy Training (overseas as nothing was available in South Africa):  
1994 - Service d'Anatomie des Bois, Musée Royal de l'Afrique Centrale, Tervuren, Belgium, by Roger Dechamps  
1997 - Université Pierre et Marie Curie, Paris, France, by Dr Jean-Claude Koeniguer  
1997 - Université Claude Bernard, Lyon, France by Prof Georges Barale, Dr Jean-Pierre Gros, and Dr Marc Philippe

**iv) Membership of professional bodies/associations**

Palaeontological Society of Southern Africa



Royal Society of Southern Africa  
Academy of Sciences of South Africa  
International Association of Wood Anatomists  
Regional Representative for Africa and the Arabian Peninsular: 2002 - present  
Botanical Society of South Africa  
SASQUA (South African Society for Quaternary Research)  
2015-2017 - President  
PAGES - 2008 –onwards: South African representative  
ROCEEH / WAVE  
INQUA – PALCOMM

#### **v) Academic distinctions/fellowships/awards**

Member of the Academy of Sciences, South Africa, October 2014 onwards.  
Deputy Director of BPI Palaeontology, University of the Witwatersrand, 2007 to July 2013 when BPI and the IHE merged to become the ESI.  
Honorary Reader in the School of Geosciences, University of the Witwatersrand, 01 Sept 2013 – 31 August 2016  
Co-Director: Olduvai Landscape Palaeontology Project in Tanzania (2011 onwards)  
Chief Coordinator of the PAST (Palaeontological Scientific Trust) Scientific Advisory Committee, 2011 onwards.  
PAST-Standard Bank Award for Research Excellence – Senior Researcher 2008  
Elected a Fellow of the Royal Society of South Africa – 2007 onwards  
Mellon Foundation Mentoring Award 2008; 2009; 2011-2012 with student Natasha Barbolini  
NRF Rating B-2 (2016-2020)  
NRF Rating: B-3 (2005-2009) (2010-2015)  
NRF Rating: C-2 (1999-2004)  
MSc awarded with distinction, Wits University 1986.

#### **vi) Academic and professional experience**

2014 April – Personal Professor and Member of the Executive Committee of the ESI, and Centre of Excellence for Palaeosciences, Wits University  
2013 – March 2014: Associate Professor and Member of the Executive Committee of the ESI, and Centre of Excellence for Palaeosciences, Wits University.  
2007 – June 2013: Associate Professor and Deputy Director, BPI Palaeontology, Wits University.  
2001- 2006: Senior Research Officer and Deputy Director, BPI Palaeontology, Wits University  
1997-2000: Research Officer, BPI Palaeontology, Wits University.  
1992-1996: Research Fellow, BPI Palaeontology, Wits University.  
1990-1991: Research Associate, BPI Palaeontology, Wits University



1989-1990: Research Officer in Palaeobotany, Council for Geosciences, Pretoria

Visiting Professorships (one month each)

1999: Professor Invitée, School of Biology, University of Claude Bernard, Lyon, France.

2000: Professor Invitée, School of Biology, University of Claude Bernard, Lyon, France.

2009: Visiting professorship, AGAUR, Department of History, Prehistory and Archaeology, University of Barcelona, Spain.

**vii) Supervision of Higher Degrees**

All at Wits University

Degree	Graduated	Current
Honours	6	1
Masters	4	4
PhD	6	6
Post doctoral fellow	3	5

Publications – editorships:

Editor: *Palaeontologia africana*: 2003 to 2013; 2014 – Assistant editor

Guest Editor: *Quaternary International*: 2005 volume

Member of Board of Review: *Review of Palaeobotany and Palynology*: 2010 –  
*Cretaceous Research*: 2014 -

**vii) Review of manuscripts for the following ISI-listed journals:**

*Acta Palaeontologica Polonica*

*Alcheringa*

*Ameghiniana*

*American Journal of Physical Anthropology*

*Archaeometry*

*Bulletin de la Société géologique de France*

*Cretaceous Research*

*Geoarchaeology*

*Geobios*

*Geological Journal*

*Gondwana Research*

*IAWA Journal*

*Journal of African Earth Sciences*

*Journal of Arid Environments*

*Journal of Human Evolution*

*Palaeogeography, Palaeoclimatology, Palaeoecology*



Palaeontographica Abt B  
Quaternary International  
Quaternary Science Reviews  
Review of Palaeobotany and Palynology  
South African Journal of Botany  
South African Journal of Science

Review of project proposals/funding applications:

Leakey Foundation  
NRF funding and rating  
PAST funding  
Rustaveli Foundation, Georgia  
Darwin Institute, The Netherlands  
Marsden foundation, New Zealand

**viii) Departmental and other duties:**

- A. Research and publication of research  
B. Supervision of Honours and Postgraduate students and projects; Post Graduate coordinator; Chairman of institute's Post Graduate supervisory committee.  
C. Teaching:  
    1. Geology II palaeobotany component of Palaeontology course (GEOL2008);  
    2. Animal, Plant and Environmental Sciences III: Palaeontology; course co-ordinator (APES3029)  
    3. Archaeology II: Palynology and Quaternary Palaeoclimate; 2003-4  
    4. Honours topics: Palaeobotany, Palaeobiogeography, Taphonomy, Origin of Life, Palynology.  
D. Curation of Palaeobotany Herbarium and Collections.  
E. Administration
- Post graduate co-ordinator
  - Graduate Studies Committee Representative for Geosciences and Deputy Chairman of committee
  - Member of the ESI Executive Committee and Centre of Excellence Management Committee (2013 --) decision-making, coordination of post graduate students.

**ix) Publications in peer-reviewed journals**

separate list  
96 journal articles published  
2 journals articles in press  
6 journal articles submitted/under review  
4 book chapters published



### x) Palaeontological Impact Assessments

Selected – list not complete:

- Thukela Biosphere Conservancy 1996; 2002 for DWAF
- Vioolsdrift 2007 for Xibula Exploration
- Rietfontein 2009 for Zitholele Consulting
- Bloeddrift-Baken 2010 for TransHex
- New Kleinfontein Gold Mine 2012 for Prime Resources (Pty) Ltd.
- Thabazimbi Iron Cave 2012 for Professional Grave Solutions (Pty) Ltd
- Delmas 2013 for Jones and Wagener
- Klipfontein 2013 for Jones and Wagener
- Platinum mine 2013 for Lonmin
- Syferfontein 2014 for Digby Wells
- Canyon Springs 2014 for Prime Resources
- Kimberley Eskom 2014 for Landscape Dynamics
- Yzermyne 2014 for Digby Wells

### 3. Declaration by Specialist

I, **Marion Bamford**----( Name of Specialist) of ----the University of the Witwatersrand------(name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent



authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;

- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 49B(2) of the Act.

Signature of the specialist ML Bamford

Name of company (if applicable) Wits University

Date 18 January 2016

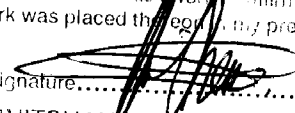
Signature of the Commissioner of Oaths

Date

Designation

- Official stamp:
1. I certify that before administering the oath affirmation I asked the deponent the following questions which were answered:  
(a) Do you know and understand the contents of this Declaration?  
(b) Do you have any objection to taking the prescribed oath?  
(c) Do you consider the prescribed oath to be binding on your conscience?

2. I further certify that the deponent has acknowledged that he/she knows and understands the contents of this Declaration that was sworn/affirmed before me and the deponent's signature mark was placed thereon in my presence.

Date: 14/01/2016 Signature: 

Name: M. C. S. MNITSHANE  
Commissioner of Oaths, District of Johannesburg

Ex officio Title: ADMIN ASSISTANT

Faculty/Office: CENTRAL RECORDS OFFICE

University of the Witwatersrand, Johannesburg  
1 Jan Smuts Avenue, Johannesburg 2001

