

CURRICULUM VITAE
Gerhardus Alfred Botha

Profession : Ecologist and Environmental Consultant
Specialisation : Ecological studies including flora, wetland and fauna studies
Years experience : 6 Years

KEY RESPONSIBILITIES

- Specific responsibilities as an Ecological Specialist and Environmental Consultant include, inter alia, professional execution of specialist consulting services (including flora, wetland and fauna studies, where required), impact assessment reporting, walk through surveys/ground-truthing to inform final design, compilation of management plans, compliance monitoring and audit reporting, in-house ecological awareness training to on-site personnel, and the development of project proposals for procuring new work/projects.

SKILLS BASE AND CORE COMPETENCIES

- Research Project Management
- Ecological assessments for developmental purposes (BAR, EIA)
- Working knowledge of environmental planning policies, regulatory frameworks and legislation
- Identification and assessment of potential environmental impacts and benefits.
- Development of practical and achievable mitigation measures and management plans and evaluation of risk to execution
- Qualitative and Quantitative Research
- Experienced in field research and monitoring
- Working knowledge of GIS applications and analysis of satellite imagery data
- Completed projects in several Provinces of South Africa and include a number of projects located in sensitive and ecological unique regions.

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- 2015: Currently completing a M.Sc. degree in Botany (Vegetation Ecology), University of the Free State, Bloemfontein, RSA.
- 2009: B.Sc. Hons in Botany (Vegetation Ecology), University of the Free State, Bloemfontein, RSA.
- 2008: B.Sc. in Zoology and Botany, University of the Free State, University of the Free State, Bloemfontein, RSA.

Courses:

- 2013: Wetland Management (ecology, hydrology, biodiversity and delineation) – University of the Free State accredited course.
- 2014: Introduction to GIS and GPS (Code: GISA 1500S) – University of the Free State accredited course.

Professional Society Affiliations:

- The South African Council of Natural Scientific Professions: Pr. Sci. Nat. Reg. No. 400502/14 (Botany and Ecology).

EMPLOYMENT HISTORY

- 2016: ECO-CARE Consultancy
- 2015 - 2016: Ecologist, Savannah Environmental (Pty) Ltd
- 2013 - 2014: Working as ecologist on a freelance basis, involved in part-time and contractual positions for the following companies
 - Envioworks (Pty) Ltd
 - GreenMined (Pty) Ltd
 - Eco-Care Consultancy (Pty) Ltd
 - Enviro-Niche Consulting (Pty) Ltd
 - Savannah Environmental (Pty) Ltd
 - Esicongweni Environmental Services (EES) cc
- 2010 - 2012: Envioworks (Pty) Ltd

PROJECT EXPERIENCE

ECOLOGICAL RELATED STUDIES AND SURVEYS

- Barcelona 88/11kV substation and 88kV loop-in lines – Botanical Study (for Eskom).
- Farm development for academic purposes (Maluti FET College) on the Farm Rosedale 107, Harrismith – Ecological Study (for Agri Development Solutions).
- New boardwalk from Suiderstrand Gravel Road to Rasperpunt, Agulhas National Park – Botanical Survey (for SANPARKS).
- New boardwalk linking the southern most tip of Africa to the Cape Agulhas Lighthouse, Agulhas National Park – Botanical Survey (for SANPARKS)
- Construction of an icon at the southern most tip of Africa, Agulhas National Park – Botanical Survey (for SANPARKS).
- Optic Fibre Infrastructure Network, City of Cape Town Municipality – Assisted in botanical field work (for Dark Fibre Africa (Pty) Ltd).
- Optic Fibre Infrastructure Network, Swartland Municipality – Assisted in botanical field work (for Dark Fibre Africa).
- National long haul optic fibre infrastructure network project, Bloemfontein to Beaufort West – Protected and Endangered Species Walk-Through Survey & Invasive Plant Management Plan (for NEOTEL Ltd).
- National long haul optic fibre infrastructure network project, Bloemfontein to Beaufort West – Vegetation Rehabilitation Plan for illegally cleared areas (for NEOTEL Ltd).
- Proposed establishment of the Tugela Ridge Eco Estate on the farm Kruisfontein, Bergville – Ecological Study (for Envioworks (Pty) Ltd).
- De Aar Freight Transport Hub – Ecological Scoping and Feasibility Study (for Envioworks (Pty) Ltd).
- Construction of Botshabelo 132 kV line – Ecological Study (for Envioworks (Pty) Ltd).
- Establishment of Rocks Farm chicken broiler houses – Botanical study (for Rocks Farm (Pty) Ltd).
- Illegally ploughed land on the Farm Wolwekop 2353 – Vegetation Rehabilitation Study (for Envioworks (Pty) Ltd).
- Proposed Gihon Solar Farm - Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd).
- Proposed expansion of the existing Afrimat quarry near Hluhluwe – Botanical Study (for GreenMined (Pty) Ltd).

- Audit of protected *Acacia erioloba* trees within the Assmang Wrenchville housing development footprint area – Botanical Audit (for Eco-Care Consultancy (Pty) Ltd).
- Rehabilitation of the N1 National Road between Sydenham and Glen Lyon – Peer Review of Ecological Report (for EKO Environmental (Pty) Ltd)
- Rehabilitation of the N6 National Road between Onze Rust and Bloemfontein – Peer Review of Ecological Report (for EKO Environmental (Pty) Ltd)
- Proposed expansion of the existing Scottburgh quarry near Amandawe – Botanical Study (for GreenMined (Pty) Ltd).
- Steelpoort Integration Project & Steelpoort to Wolwekraal 400kV Power Line – Botanical Walk Through Survey (for Savannah Environmental (Pty) Ltd).
- Proposed Transalloys circulating fluidised bed power station near Emalahleni – Ecological Impacts Assessment (for Savannah Environmental (Pty) Ltd).
- Proposed Umbani circulating fluidised bed power station near Kriel – Scoping Ecological Impact Assessment & Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd).
- Proposed Tshepong 5MW PV, Nyala 5MW and Eland 5MW facilities within Harmony Gold's mining rights areas between Odendaalsrus and Welkom – Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd).
- Proposed Noupoot CSP Facility near Noupoot, Northern Cape Province – Ecological Scoping Assessment & Ecological Impacts Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed Buffels Solar 1 PV Facility near Orkney, North West Province – Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed Buffels Solar 2 PV Facility near Orkney, North West Province – Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Kalahari CSP Facility: 132kV Ferrum–Kalahari–UNTU & 132kV Kathu IPP–Kathu 1 Overhead Power Lines, Kathu, Northern Cape Province – Fauna and Flora Pre-Construction Walk Through Survey & Report (for Savannah Environmental (Pty) Ltd.).
- Kalahari CSP Facility: Access Roads, Kathu, Northern Cape Province – Fauna and Flora Pre-Construction Walk-Through Assessment & Report (for Savannah Environmental (Pty) Ltd.).
- Karoshoek Solar Valley Development – Additional CSP Facility including tower infrastructure associated with authorised CSP Site 2 near Upington, Northern Cape Province – Ecological Scoping Report (for Savannah Environmental (Pty) Ltd.).
- Karoshoek Solar Valley Development – Proposed Ilanga CSP 7 and 8 Facilities near Upington, Northern Cape Province – Ecological Scoping Report (for Savannah Environmental (Pty) Ltd.).
- Karoshoek Solar Valley Development – Proposed Ilanga CSP 9 Facility near Upington, Northern Cape Province – Ecological Scoping Report (for Savannah Environmental (Pty) Ltd.).
- Karusa Wind Farm (Phase 1 of the Hidden Valley Wind Energy Facility near Sutherland, Northern Cape Province): Invasive Plant Management Plan (for Savannah Environmental (Pty) Ltd.).
- Proposed Karusa Facility Substation and Ancillaries near Sutherland, Northern Cape Province – Ecological Basic Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed Eskom Karusa Switching Station and 132kV Double Circuit Overhead Power Line near Sutherland, Northern Cape Province - Ecological Basic Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Karusa Wind Farm (Phase 1 of the Hidden Valley Wind Energy Facility near Sutherland, Northern Cape Province): Plant Search and Rescue and Rehabilitation Management Plan (for Savannah Environmental (Pty) Ltd.).
- Authorised Karusa Wind Energy Facility near Sutherland, Northern Cape Province – Fauna and Flora Pre-Construction Walk-Through Assessment & Report (for Savannah Environmental (Pty) Ltd.).

- Proposed Soetwater Facility Substation, 132kV Overhead Power Line and Ancillaries, near Sutherland, Northern Cape Province - Ecological Basic Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Soetwater Wind Farm (Phase 2 of the Hidden Valley Wind Energy Facility near Sutherland, Northern Cape Province): Invasive Plant Management Plan (for Savannah Environmental (Pty) Ltd.).
- Authorised Soetwater Wind Energy Facility near Sutherland, Northern Cape Province - Fauna and Flora Pre-Construction Walk-Through Assessment & Report (for Savannah Environmental (Pty) Ltd.).
- Soetwater Wind Farm (Phase 2 of the Hidden Valley Wind Energy Facility near Sutherland, Northern Cape Province): Plant Search and Rescue and Rehabilitation Management Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius Phase 1 Solar PV Project near Upington, Northern Cape Province- Fauna and Flora Pre-Construction Walk-Through Assessment & Report (for Savannah Environmental (Pty) Ltd.).
- Sirius Phase 2 Solar PV Project near Upington, Northern Cape Province- Fauna and Flora Pre-Construction Walk-Through Assessment & Report (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 1) Solar PV Facility near Upington, Northern Cape Province Invasive Plant Management Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 2) Solar PV Facility near Upington, Northern Cape Province - Invasive Plant Management Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 1) Solar PV Facility near Upington, Northern Cape Province – Rehabilitation and Revegetation Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 2) Solar PV Facility near Upington, Northern Cape Province – Rehabilitation and Revegetation Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 1) Solar PV Facility near Upington, Northern Cape Province - Plant Rescue and Protection Plan (for Savannah Environmental (Pty) Ltd.).
- Sirius (Phase 2) Solar PV Facility near Upington, Northern Cape Province - Plant Rescue and Protection Plan (for Savannah Environmental (Pty) Ltd.).
- Proposed Expansion of the existing Komsberg Main Transmission Substation near Sutherland, Northern Cape Province - Ecological Basic Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed Semonkong Wind Energy Facility near Semonkong, Maseru District, Lesotho – Ecological Pre-Feasibility Study (for Savannah Environmental (Pty) Ltd.).
- Proposed Metal Industrial Cluster and Associated Infrastructure near Kuruman, Northern Cape Province – Ecological Scoping Report (for Savannah Environmental (Pty) Ltd.).
- Proposed Woodhouse 1 and Woodhouse 2 PV Facilities near Vryburg, North West Province – Ecological Scoping Report & Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed CAMCO Clean Energy 100kW PV Solar Facility, Thaba Eco Lodge near Johannesburg, Gauteng Province: Ecological and Ridge Basic Assessment Report (for Savannah Environmental (Pty) Ltd.).
- Proposed Orkney Solar PV Facility near Orkney, North West Province - Ecological Scoping Report & Ecological Impact Assessment (for Savannah Environmental (Pty) Ltd.).
- Proposed 132kV Power Line and On-Site Substation for the Authorised Golden Valley II Wind Energy Facility near Bedford, Eastern Cape Province - Ecological Basic Assessment Report (for Savannah Environmental (Pty) Ltd.).

WETLAND DELINEATION AND HYDROLOGICAL ASSESSMENTS

- Proposed Nyala 5MW PV facility within Harmony Gold's mining rights areas between Odendaalsrus and Welkom – Wetland Assessment & Delineation (for Savannah Environmental (Pty) Ltd).
- Proposed Eland 5MW PV facility within Harmony Gold's mining rights areas between Odendaalsrus and Welkom – Wetland Assessment & Delineation (for Savannah Environmental (Pty) Ltd).
- Proposed BlueWave 75MW PV Plant near Welkom Free State Province – Wetland Delineation and compilation of Map (for BlueWave Capital)
- Proposed Wolmaransstad Municipality 75MW PV Solar Energy Facility in the North West Province – Wetland Delineation Assessment (for Savannah Environmental (Pty) Ltd.).

AVIFAUNAL ASSESSMENTS

- Proposed TEWA Solar 1 Facility, east of Upington, Northern Cape Province – Avifaunal Impact Assessment (for Savannah Environmental (Pty) Ltd).
- Proposed TEWA Solar 2 Facility, east of Upington, Northern Cape Province – Avifaunal Impact Assessment (for Savannah Environmental (Pty) Ltd).

ENVIRONMENTAL IMPACT ASSESSMENT

- Barcelona 88/11kV substation and 88kV loop-in lines – BA (for Eskom).
- Thabong Bulk 132kV sub-transmission inter-connector line – EIA (for Eskom).
- Groenwater 45 000 unit chicken broiler farm – BA (for Areemeng Mmogo Cooperative).
- Optic Fibre Infrastructure Network, City of Cape Town Municipality – BA (for Dark Fibre Africa (Pty) Ltd).
- Optic Fibre Infrastructure Network, Swartland Municipality – BA (for Dark Fibre Africa).
- Construction and refurbishment of the existing 66kV network between Ruigtevallei Substation and Reddersburg Substation – EMP (for Eskom).
- Lower Kruisvallei Hydroelectric Power Scheme (Ash river) – EIA (for Kruisvallei Hydro (Pty) Ltd).
- Construction of egg hatchery and associated infrastructure – BA (For Supreme Poultry).
- Construction of the Klipplaatdrif flow gauging (Vaal river) – EMP (DWAF).

ENVIRONMENTAL COMPLIANCE AUDITING AND ECO

- National long haul optic fibre infrastructure network project, Bloemfontein to Laingsburg – ECO.
- National long haul optic fibre infrastructure network project, Wolmaransstad to Klerksdorp – ECO.
- Construction and refurbishment of the existing 66kV network between Ruigtevallei Substation and Reddersburg Substation – ECO.
- Construction and refurbishment of the Vredefort/Nooitgedacht 11kV power line – ECO
- Environmental compliance audit and botanical account of Afrisam's premises in Bloemfontein – Environmental Compliance Auditing.

OTHER PROJECTS:

- Keeping and breeding of lions (*Panthera leo*) on the farm Maxico 135, Ficksburg – Management and Business Plan (for Enviroworks (Pty) Ltd.)
- Keeping and breeding of lions (*Panthera leo*) on the farm Mooihoek 292, Theunissen – Management and Business Plan (for Enviroworks (Pty) Ltd.)
- Keeping and breeding of wild dogs (*Lycaon pictus*) on the farm Mooihoek 292, Theunissen – Management and Business Plan (for Enviroworks (Pty) Ltd.)
- Existing underground and aboveground fuel storage tanks, TWK AGRI: Pongola – Environmental Management Plan (for TWK Agricultural Ltd).
- Existing underground fuel storage tanks on Erf 171, TWK AGRI: Amsterdam – Environmental Management Plan (for TWK Agricultural Ltd).
- Proposed storage of 14 000 L of fuel (diesel) aboveground on Erf 32, TWK AGRI: Carolina – Environmental Management Plan (for TWK Agricultural Ltd).
- Proposed storage of 23 000 L of fuel (diesel) above ground on Portion 10 of the Farm Oude Bosch, Humansdorp – Environmental Management Plan (for TWK Agricultural Ltd).
- Proposed storage of 16 000 L of fuel (diesel) aboveground at Panbult Depot – Environmental Management Plan (for TWK Agricultural Ltd).
- Existing underground fuel storage tanks, TWK AGRI: Mechanisation and Engineering, Piet Retief – Environmental Management Plan (for TWK Agricultural Ltd).
- Existing underground fuel storage tanks on Portion 38 of the Farm Lothair, TWK AGRI: Lothair – Environmental Management Plan (for TWK Agricultural Ltd).

Jaco van der Walt
Archaeologist

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Education:

Particulars of degrees/diplomas and/or other qualifications:

Name of University or Institution: University of Pretoria
Degree obtained : BA Heritage Tourism & Archaeology
Year of graduation : 2001

Name of University or Institution: University of the Witwatersrand
Degree obtained : BA Hons Archaeology
Year of graduation : 2002

Name of University or Institution : University of the Witwatersrand
Degree Obtained : MA (Archaeology)
Year of Graduation : 2012

Name of University or Institution : University of Johannesburg
Degree : PhD
Year : Currently Enrolled

EMPLOYMENT HISTORY:

2011 – Present: **Owner – HCAC (Heritage Contracts and Archaeological Consulting CC).**
2007 – 2010 : **CRM Archaeologist**, Managed the Heritage Contracts Unit at the University of the Witwatersrand.
2005 - 2007: **CRM Archaeologist**, Director of Matakoma Heritage Consultants
2004: **Technical Assistant**, Department of Anatomy University of Pretoria
2003: **Archaeologist**, Mapungubwe World Heritage Site
2001 - 2002: **CRM Archaeologists**, For R & R Cultural Resource Consultants, Polokwane
2000: **Museum Assistant**, Fort Klapperkop.

Countries of work experience include:

Republic of South Africa, Botswana, Zimbabwe, Mozambique, Tanzania, The Democratic Republic of the Congo, Lesotho and Zambia.

SELECTED PROJECTS INCLUDE:

Archaeological Impact Assessments (Phase 1)

Heritage Impact Assessment Proposed Discharge Of Treated Mine Water Via The Wonderfontein Spruit Receiving Water Body Specialist as part of team conducting an Archaeological Assessment for the Mmamabula mining project and power supply, Botswana
Archaeological Impact Assessment Mmamethlake Landfill
Archaeological Impact Assessment Libangeni Landfill

Linear Developments

Archaeological Impact Assessment Link Northern Waterline Project At The Suikerbosrand Nature Reserve
Archaeological Impact Assessment Medupi – Spitskop Power Line,
Archaeological Impact Assessment Nelspruit Road Development

Renewable Energy developments

Archaeological Impact Assessment Karoshoek Solar Project

Grave Relocation Projects

Relocation of graves and site monitoring at Chloorkop as well as permit application and liaison with local authorities and social processes with local stakeholders, Gauteng Province.
Relocation of the grave of Rifle Man Maritz as well as permit application and liaison with local authorities and social processes with local stakeholders, Ndumo, Kwa Zulu Natal.
Relocation of the Magolwane graves for the office of the premier, Kwa Zulu Natal
Relocation of the OSuthu Royal Graves office of the premier, Kwa Zulu Natal

Phase 2 Mitigation Projects

Field Director for the Archaeological Mitigation For Booyendal Platinum Mine, Steelpoort, Limpopo Province. Principle investigator Prof. T. Huffman
Monitoring of heritage sites affected by the ARUP Transnet Multipurpose Pipeline under directorship of Gavin Anderson.
Field Director for the Phase 2 mapping of a late Iron Age site located on the farm Kameelbult, Zeerust, North West Province. Under directorship of Prof T. Huffman.
Field Director for the Phase 2 surface sampling of Stone Age sites effected by the Medupi – Spitskop Power Line, Limpopo Province

Heritage management projects

Platreef Mitigation project – mitigation of heritage sites and compilation of conservation management plan.

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

- Association of Southern African Professional Archaeologists. Member number 159
Accreditation:
 - Field Director Iron Age Archaeology
 - Field Supervisor Colonial Period Archaeology, Stone Age Archaeology and Grave Relocation
- Accredited CRM Archaeologist with SAHRA
- Accredited CRM Archaeologist with AMAFA
- Co-opted council member for the CRM Section of the Association of Southern African Association Professional Archaeologists (2011 – 2012)

PUBLICATIONS AND PRESENTATIONS

- A Culture Historical Interpretation, Aimed at Site Visitors, of the Exposed Eastern Profile of K8 on the Southern terrace at Mapungubwe.
 - J van der Walt, A Meyer, WC Nienaber
 - Poster presented at Faculty day, Faculty of Medicine University of Pretoria 2003
- 'n Reddingsondersoek na Anglo-Boereoorlog-ammunisie, gevind by Ifafi, Noordwes-Provinsie. South-African Journal for Cultural History 16(1) June 2002, with A. van Vollenhoven as co-writer.
- Fieldwork Report: Mapungubwe Stabilization Project.
 - WC Nienaber, M Hutten, S Gaigher, J van der Walt
 - Paper read at the Southern African Association of Archaeologists Biennial Conference 2004
- A War Uncovered: Human Remains from Thabantšho Hill (South Africa), 10 May 1864.
 - M. Steyn, WS Boshoff, WC Nienaber, J van der Walt
 - Paper read at the 12th Congress of the Pan-African Archaeological Association for Prehistory and Related Studies 2005
- Field Report on the mitigation measures conducted on the farm Bokfontein, Brits, North West Province .
 - J van der Walt, P Birkholtz, W. Fourie
 - Paper read at the Southern African Association of Archaeologists Biennial Conference 2007
- Field report on the mitigation measures employed at Early Farmer sites threatened by

development in the Greater Sekhukhune area, Limpopo Province. J van der Walt

- Paper read at the Southern African Association of Archaeologists Biennial Conference 2008
- Ceramic analysis of an Early Iron Age Site with vitrified dung, Limpopo Province South Africa.
 - J van der Walt. Poster presented at SAFA, Frankfurt Germany 2008
- Bantu Speaker Rock Engravings in the Schoemanskloof Valley, Lydenburg District, Mpumalanga (*In Prep*)
 - J van der Walt and J.P Celliers
- Sterkspruit: Micro-layout of late Iron Age stone walling, Lydenburg, Mpumalanga. W. Fourie and J van der Walt. A Poster presented at the Southern African Association of Archaeologists Biennial Conference 2011
- Detailed mapping of LIA stone-walled settlements' in Lydenburg, Mpumalanga. J van der Walt and J.P Celliers
 - Paper read at the Southern African Association of Archaeologists Biennial Conference 2011
- Bantu-Speaker Rock engravings in the Schoemanskloof Valley, Lydenburg District, Mpumalanga. J.P Celliers and J van der Walt
 - Paper read at the Southern African Association of Archaeologists Biennial Conference 2011
- Pleistocene hominin land use on the western trans-Vaal Highveld ecoregion, South Africa, Jaco van der Walt.
 - J van der Walt. Poster presented at SAFA, Toulouse, France. Biennial Conference 2016

REFERENCES:

1. Prof Marlize Lombard Senior Lecturer, University of Johannesburg, South Africa
E-mail: mlombard@uj.ac.za
2. Prof TN Huffman Department of Archaeology Tel: (011) 717 6040
University of the Witwatersrand
3. Alex Schoeman University of the Witwatersrand
E-mail: Alex.Schoeman@wits.ac.za

CURRICULUM VITAE

ELIZE BUTLER

PROFESSION: Palaeontologist

YEARS' EXPERIENCE: 23 years in Palaeontology

EDUCATION: B.Sc Botany and Zoology, 1988
University of the Orange Free State

B.Sc (Hons) Zoology, 1991
University of the Orange Free State

Management Course, 1991
University of the Orange Free State

M. Sc. *Cum laude* (Zoology), 2009
University of the Free State

Dissertation title: THE POSTCRANIAL SKELETON OF THE EARLY TRIASSIC
NON-MAMMALIAN CYNODONT *GALESAURUS PLANICEPS*: IMPLICATIONS
FOR BIOLOGY AND LIFESTYLE

Registered as a PhD fellow at the Zoology Department of the UFS

2013 to current

Dissertation title: A NEW GORGONOPSID FROM THE UPPERMOST
DICYNODON ASSEMBLAGE ZONE, KAROO BASIN OF SOUTH
AFRICA

MEMBERSHIP

Palaeontological Society of South Africa (PSSA)

2006-currently

EMPLOYMENT HISTORY

Part time Laboratory assistant

Department of Zoology &
Entomology University of the Free
State Zoology 1989-1992

Part time laboratory assistant

Department of Virology

University of the Free State Zoology
1992

PAI site visit and report: Palaeontological impact assessment of the proposed Orange Grove 3500 residential development, Buffalo City Metropolitan Municipality East London, Eastern Cape. 2015.

PAI site visit and report: Palaeontological Impact Assessment of the proposed Gonubie residential development, Buffalo City Metropolitan Municipality East London, Eastern Cape Province. 2015.

PAI site visit and report: Palaeontological Impact Assessment of the proposed Ficksburg raw water pipeline. 2015

PAI site visit and report: Palaeontological Heritage Impact Assessment report on the establishment of the 65 mw Majuba Solar Photovoltaic facility and associated infrastructure on portion 1, 2 and 6 of the farm Witkoppies 81 HS, Mpumalanga Province. 2015.

PAI site visit and report: Palaeontological Impact Assessment of the proposed township establishment on the remainder of portion 6 and 7 of the farm Sunnyside 2620, Bloemfontein, Mangaung metropolitan municipality, Free State Bloemfontein. 2015.

PIA desktop: Palaeontological Impact Assessment of the proposed Woodhouse photovoltaic solar energy facilities and associated infrastructure on the farm Woodhouse729, near Vryburg, North West Province. 2015.

PIA desktop: Palaeontological Impact Assessment of the proposed Orkney solar energy farm and associated infrastructure on the remaining extent of Portions 7 and 21 of the farm Wolvehuis 114, near Orkney, North West Province. 2015.

PIA desktop: Palaeontological Impact Assessment of the proposed Spectra foods broiler houses and abattoir on the farm Maiden Manor 170 and Ashby Manor 171, Lukhanji Municipality, Queenstown, Eastern Cape Province. 2015.

CONFERENCE CONTRIBUTIONS

NATIONAL

PRESENTATION

Butler, E., Botha-Brink, J., and F. Abdala. A new gorgonopsian from the uppermost *Dicynodon Assemblage Zone*, Karoo Basin of South Africa. 18th Biennial conference of the PSSA 2014. Wits, Johannesburg, South Africa.

INTERNATIONAL

Attended the Society of Vertebrate Palaeontology 73th Conference in Los Angeles, America. October 2012.

CONFERENCES: POSTER PRESENTATION

NATIONAL

Butler, E., and J. Botha-Brink. Cranial skeleton of *Galesaurus planiceps*, implications for biology and lifestyle. University of the Free State Seminar Day, Bloemfontein. South Africa. November 2007.

Butler, E., and J. Botha-Brink. Cranial skeleton of *Galesaurus planiceps*, implications for biology and lifestyle. 14th Conference of the PSSA, Matjiesfontein, South Africa. September 2008:

Butler, E., and J. Botha-Brink. The biology of the South African non-mammaliaform cynodont *Galesaurus planiceps*. 15th Conference of the PSSA, Howick, South Africa. August 2008.

INTERNATIONAL VISITS

Natural History Museum, London

July 2008

Paleontological Institute, Russian Academy of Science, Moscow

November 2014