

## **APPENDIX I – SPECIALIST DETAILS AND DECLARATION OF INDEPENDENCE**

**Please note that original signed copies of the declaration of independence were enclosed in the Draft Basic Assessment Report as submitted to the Department**

### **Heritage:**

Ms Celeste Booth  
Department of Archaeology,  
Albany Museum  
P.O. Box 630, Grahamstown, 6139, South Africa

Office: 046 622 2312  
Mobile: 0820624655  
Email: cbooth670@gmail.com

### **Ecological:**

Mr. Simon Todd  
60 Forrest Way, Glencairn, 7975

Office: 021 782 0377  
Mobile: 082 3326 502  
Email: Simon.Todd@3foxes.co.za  
SACNASP Pr.Sci.Nat 400425/11

### **Avifaunal:**

Dr Tony Williams  
African Insights  
Ph. D., Zoology, University of Cape Town, South Africa.

Mobile: 084 505 5450  
Email: capeokapi@gmail.com

### **Social:**

Mr Tony Barbour  
Environmental Consulting and Research  
10 First Avenue, Claremont, South Africa

Tel: 021 761 2355  
Email: tbarbour@telkom.net

### **Palaeontological:**

Dr John Almond  
Natura Viva CC

Ph. D., Earth Science (Palaeontology), University of Cambridge, UK

Mobile: 021 462 3622

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**Visual:**

Thomas King  
EOH CES

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## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

|                        | (For official use only) |
|------------------------|-------------------------|
| File Reference Number: | 12/12/20/ or 12/9/11/L  |
| NEAS Reference Number: | DEA/EIA                 |
| Date Received:         |                         |

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 132KV OVERHEAD DISTRIBUTION LINE FOR THE PROPOSED 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCE, SOUTH AFRICA.

|                                      |   |       |              |
|--------------------------------------|---|-------|--------------|
| Specialist:                          | Booth Heritage Consulting                       |       |              |
| Contact person:                      | Celeste Booth                                   |       |              |
| Postal address:                      | 5 Queens Terrace, 12 Chapel Street, Grahamstown |       |              |
| Postal code:                         | 6139  | Cell: | 082 062 4655 |
| Telephone:                           | 046 622 2312                                    | Fax:  |              |
| E-mail:                              | cbooth670@gmail.com                             |       |              |
| Professional affiliation(s) (if any) |   |       |              |

|                     |   |       |                  |
|---------------------|---|-------|------------------|
| Project Consultant: | EOH Coastal & Environmental Services                                    |       |                  |
| Contact person:     | Marc Hardy (Environmental Assessment Practitioner)                      |       |                  |
| Postal address:     | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point. |       |                  |
| Postal code:        | 8005  | Cell: |                  |
| Telephone:          | 021 045 0900  | Fax:  | +27 (0)466226564 |
| E-mail:             | m.hardy@cesnet.co.za  |       |                  |

4.2 The specialist appointed in terms of the Regulations\_

I, Celeste Booth, declare that –

General declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.



Signature of the specialist:

Practicing as Sole Proprietor t/a Booth Heritage Consulting

Name of company (if applicable):

4 May 2016

Date:

*Curriculum Vitae*  
*of*  
*Celeste Booth*

*Cell: 082 062 4655*

*Email: [cbooth670@gmail.com](mailto:cbooth670@gmail.com)*

**CURRICULUM VITAE**

**NAME:** Celeste Booth  
**IDENTITY NUMBER:** 8001290110089  
**DATE OF BIRTH:** 29 January 1980  
**GENDER:** Female  
**NATIONALITY:** South African

**CURRENT EMPLOYEMENT:**

Department of Archaeology  
Albany Museum  
Somerset Street  
Grahamstown  
6139  
Tel.: 046 622 2312  
Fax: 046 622 2398  
Cell: 082 062 4655  
Email: cbooth670@gmail.com

**COMPANY POSITION:**

Principle Human Scientist: Curator: Archaeologist, Head of Department:  
Department of Archaeology

**QUALIFICATIONS:**

**1997:** Matric Senior Certificate (Lawson Brown High School)  
**2005:** Bachelor of Administration (Public Administration and Political Science as undergraduate majors)  
University of Port Elizabeth/Nelson Mandela Metropolitan University  
**2006:** Occasional Student for non-degree purposes focusing on the undergraduate Archaeology programme – completed the three years in one year.  
University of Cape Town  
**2007:** Bachelor of Science Honours (Archaeology)  
University of Cape Town

**MERITS AWARDED:**

**2004:** Golden Key Member  
**2006:** Merit Award for Archaeology in Practice

**TERTIARY FIELD EXPERIENCE:****2006:**

1. Clanwilliam Field School:

Excavation of historical labourer's cottage at Warmhoek (Cedric Poggenpoel), rock Art survey of areas in and around Clanwilliam (Tony Manhire).

2. Middle Stone Age (MSA) excavation at Diepkloof Rock Shelter (Pierre-Jean Texier & Jean-Philippe Rigaud)
3. Survey for signs of pastoralism along the Breede River, Swellendam (Charlie Arthur)

**2007:**

1. Excavation at Hoffman's / Robberg Cave, Robberg Peninsula, Plettenberg Bay (Catharine Kyriaku & Judy Sealy)
2. Middle Stone Age (MSA) Excavation at Diepkloof Rock Shelter (PierreJean Texier)

**ARCHAEOLOGICAL RESEARCH EXPERIENCE:**

Trained in the Western Cape focusing on the west coast of the south-western Cape and eight and a half years archaeological research in the Eastern Cape. This includes the fields of Middle Stone Age, Later Stone Age, the last 2 000 years and Rock Art.

**CONFERENCES ATTENDED:****2004:**

1. Anthropology of South Africa (ASA) Conference, Durban, South Africa. Presentation: "Indigenous Knowledge and Sustainable Development in the 21<sup>st</sup> Century".

**2008:**

1. Association of South African Professional Archaeologists (ASAPA) Biennial Conference, Cape Town, South Africa.

**2009:**

1. South African Museum Association (SAMA) National Conference, Port Elizabeth, South Africa.

Joint Presentation (with Dr J.N.F. Binneman): "Heritage Management and Conservation".

**2011:**

1. South African Museum Association (SAMA) Eastern Cape Conference, Port Elizabeth, South Africa.

Presentation: "Respecting Human Remains in Removal, Research and Repatriation".

2. Association of South African Professional Archaeologists (ASAPA) Biennial Conference, Mbabane, Swaziland.

Presentation: "The Last 2000 Years of Diepkloof Rock Shelter, Verlorenvlei, South-Western Cape".

**2012:**

1. South African Museum Association (SAMA) National Conference, Paarl, South Africa.

Presentation: "The Evolving Heritage Sector and Adaptation for Success"

**2013:**

1. South African Museum Association (SAMA) Eastern Cape Conference, Port Alfred, Eastern Cape, South Africa.

Presentation: "The Evolving Heritage Sector and Adaptation for Success"

**2016:**

1. South African Cultural Observatory National Conference – Counting Culture, Port Elizabeth, Eastern Cape, South Africa  
Attended as Delegate – no presentation

**WORKSHOPS ATTENDED**

**2008:**

1. Rock Art Management Workshop, Mapungubwe, Limpopo Province.  
Presented by the Getty Conservation Institute in collaboration with the South African Rock Art Project (SARAP), the South African National Parks (SANParks) and the South African Heritage Resources Agency (SAHRA).

**2009:**

1. Rock Art Conservation, Treatment and Interventions, Clanwilliam. Presented by the Getty Conservation Institute in collaboration with the South African Heritage Resources Agency (SAHRA), Living Landscape Project, the Rock Art Research Institute (RARI) and Cape Nature.

**2010:**

1. Ceramics in Archaeology. Presented by the Department of Anthropology and Archaeology, University of Pretoria, Pretoria.
2. Geographical Information Systems (GIS) in Archaeology. Presented by the School of Geography, Archaeology and Environmental Studies (GAES), University of the Witwatersrand, Johannesburg.

**2012:**

1. The Association of Professional Archaeologists CRM Workshop, University of Cape Town.

**2014:**

1. Bone Pathology Symposium, Department of Anatomy, School of Medicine, Faculty of Health Sciences, University of Pretoria, South Africa.

**CULTURAL RESOURCE MANAGEMENT EXPERIENCE:** 7 years, 7 months



**CULTURAL RESOURCE MANAGEMENT PROJECTS – CLIENTS INCLUDE:**

AGES South Africa  
 Arcus Gibb Engineering and Science  
 Algoa Consulting Mining Engineers (ACME)  
 CEN Integrated Environmental Management Unit  
 Coastal and Environmental Services (CES)  
 Conservation Support Services  
 The Matrix cc  
 Amatola Quarry Products  
 Pro-Earth  
 Stellenryck Environmental Solutions  
 SRK Consulting  
 Terreco cc  
 Savannah Environmental (Pty) Ltd

**CULTURAL RESOURCE MANAGEMENT DESKTOP STUDIES AND  
 ARCHAEOLOGICAL IMPACT ASSESSMENTS:**

**2008:**

- Binneman, J.N.F. & Booth, C. 2008. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Granite Mine On The Farm Castleton No. 53, Komgha, Amathole District Council, Eastern Cape Province. Prepared for Terreco cc.
- Binneman, J.N.F. & Booth, C. 2008. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Open Pit Mining Operation at Borrowpit 5, Kirkwood, Eastern Cape. Prepared For Terreco Cc.
- Binneman, J.N.F. & Booth, C. 2008. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Open Pit Mining Operation at Borrowpit 3, On Farm 537, Kirkwood, Eastern Cape
- Binneman, J.N.F. & Booth, C. 2008. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Limestone Mine on the Farm Patos Kop No. 219, Peddie District, Amathole District Municipality, Eastern Cape Province. Prepared for Imbewu Mineral Resources (Pty) Ltd.
- Binneman, J.N.F. & Booth, C. 2008. A Phase 1 Archaeological Heritage Impact Assessment for the Proposed Construction and Operation of an Ethanol Production Plant on Erven 31, 32, 33 and the Remaining Extent Of Erf 1, Cradock, Inxuba Yethemba Local Municipality, Eastern Cape Province. Prepared for AGES South Africa.

- Binneman, J.N.F. & Booth, C. 2008. A Phase 1 Archaeological Impact Assessment: The Proposed Kei Beach Hotel and Apartment Development, Erven 160, 161, 162 and 163, Kei River, Amathole District Municipality, Eastern Cape Province. Prepared for ARCUS GIBB ENGINEERING AND SCIENCE.
- Binneman, J.N.F. & Booth, C. 2008. A Phase 1 Archaeological Heritage Impact Assessment of the Proposed Subdivision and Rezoning of Portions off Garden Lot, Portion 20 of Farm No. 397 South Gorah, Kenton-On-Sea, Ndlambe Municipality, Eastern Cape. Prepared for Conservation Support Services.
- Binneman, J.N.F. & Booth, C. 2008. A Phase 1 Archaeological Impact Assessment: South African Police Services (Saps) 10111 Call Centre, Erven 530 And 4162, Central Hill, Port Elizabeth, Eastern Cape Province. Prepared for the Matrix...cc Urban Designers and Architects on behalf of the Department of Public Works.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Mining of Granite on Farm 269, District East London, Buffalo City, Amathole District Municipality, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.

**2009:**

- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Granite Mine at Idutywa, Mazammisa Community Area, Mbashe Municipality, Amathole District Municipality, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Granite Mine at Idutywa, Colossa Community Area, Mbashe Municipality, Amathole District Municipality, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Dolerite Mine on Portions 3 And 61 of Farm No. 648, Wilsonia Industrial Area, East London, Amathole District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions Cc.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Sand Mine on Portion 1 (Lemoenfontein) of the Farm Die Woud No. 500, District Of Humansdorp, Eastern Cape Province. Prepared for Clean Stream Environmental Services: Coalfields Cc.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Sand Mine on Portion 20 of Farm Strandfontein No. 442, District Of Humansdorp, Eastern Cape Province. Prepared for Clean Stream Environmental Services: Coalfields cc.

- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Weathered Dolerite (Sabunga) Mine on Portion 1 Of Farm No. 800, Gonubie, East London, Amathole District Municipality, Eastern Cape Province. Prepared For Veduba Investments Cc.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Weathered Dolerite (Sabunga) Mine On Portion 3 Farm No. 860, Mount Coke, East London, Amathole District Municipality, Eastern Cape Province. Prepared for Veduba Investments Cc.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Sand Mine on the Farm Happy Rest, Portion 1 of 696, Komgha, Amathole District, Eastern Cape Province. Prepared For Amatola Quarry Products Cc
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Granite Mine on the Farm Holme Park, Remainder 203, Komgha, Amathole District Council, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Clay Mine on the Farm Burnside, Kwelera, Buffalo City, Amathole District Municipality, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Hard Rock Quarry on Portion 14 of the Farm Waggie No. 110, Paterson, Sunday's River Valley Municipality, Alexandria District, Eastern Cape Province. Prepared for Arcus Gibb (Pty) Ltd.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Sand Quarry on Farm No's. 1323 and 1286, Kayser's Beach, Amathole District Municipality, Eastern Cape Province. Prepared for Stellenryck Environmental Solutions.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Mining of Gypsum on a Portion of Portion 1 (Thorndale) of the Farm East of Gous Kraal, No. 257, Division of Jansenville in the Magisterial Area of Ikwezi, Cacadu District of the Eastern Province. Prepared for Algoa Consulting Engineers cc.
- Binneman, J.N.F. & Booth, C. 2009. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Heritage Impact Assessment for the Proposed Mining of Dolerite on Erf No. 702, Port St Johns

District, O.R. Tambo District Municipality, Eastern Cape Province. Prepared for Terreco cc.

Binneman, J.N.F. & Booth, C. 2009. A Phase 1 Archaeological Heritage Impact Assessment for the Proposed Subdivision And Rezoning of Erf 8517, Grahamstown, Makana Municipality, Cacadu District Municipality, for the Purposes of Constructing Residential And Town Housing, and Business Centre. Prepared for Conservation Support Services.

Binneman, J.N.F. & Booth, C. 2009. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Installation of A 132kv Electricity Supply Line, Bloemendal to Tembani T-Off, Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for SRK Consulting.

**2010:**

Binneman, J.N.F. & Booth, C. 2010. A Letter of Recommendation (with conditions) for the Exemption of a Full Phase 1 Archaeological Impact Assessment for the Proposed Opencast Clay Mine, Erf's 20 and 21 (Erf 561) of Wells Estate, Port Elizabeth, Nelson Mandela Metropolitan Municipality, Eastern Cape Province. Prepared for Algoa Consulting Mining Engineers Cc (Acme).

Binneman, J.N.F. & Booth, C. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Upgrading of the N2 Highway between Coega and Colchester as well as the Construction of the New Sundays River Bridge, and Four Borrow Pits, Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for SRK Consulting.

Binneman, J.N.F. & Booth, C. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Construction and Upgrading of the New Glenhurd Road as well as the Construction of the Baakens River Bridge, Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for CEN Integrated Environmental Management Unit.

Binneman, J.N.F. & Booth, C. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Motherwell NU 31 Housing Development, Portion 2 of 316, Uitenhage, Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for Arcus Gibb

Binneman, J.N.F. & Booth, C. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the proposed Rosedale Low Cost Housing project, Uitenhage, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting.

Binneman, J.N.F. & Booth, C. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed 20mw Wind Farm on Three Alternative Sites: Erf 121, Driftsands (Site Alternative 1), Bushy Park Farm (Site Alternative 2) and Rietfontein Farm, Van Stadens East (Site Alternative 3), Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for SRK Consulting.

Binneman, J.N.F.; Booth, C. & Higgitt, N. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Dorper Wind Energy Facility on a Site

Near Molteno, Chris Hani District Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.

- Binneman, J.N.F.; Booth, C. & Higgitt, N. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Sand Mining on the Elva Heights Farm 102 and on the Difusi Land Trust Property Incorporating the Farms De Bruyns Kraal, Doorn Kloof And Lang Vley, Paterson, Alexandria Municipality, Cacadu District, Eastern Cape Province. Prepared For SRK Consulting.
- Binneman, J.N.F.; Booth, C. & Higgitt, N. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Coega Ridge Nu-Way Housing Development, Farms Welbadachtsfontein 300, Coega Kop 313, Coegas Kop 316, Coegas Kop 314, Nelson Mandela Metropolitan Municipality, Port Elizabeth, Eastern Cape Province. Prepared for SRK Consulting.
- Binneman, J.N.F.; Booth, C. & Higgitt, N. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Skietkuil Quarries 1 and 2 on the Farm Skietkuil No. 3, Victoria West, Central Karoo District, Western Cape Province. Prepared for Acer (Africa) Environmental Management Consultants.
- Binneman, J.N.F.; Booth, C. & Higgitt, N. 2010. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Riverbank Wind Energy Facility between Hamburg and Wesley, Amathole District Municipality, Eastern Cape Province. Prepared For Savannah Environmental (Pty) Ltd.
- Booth, C. 2010. An Archaeological Desktop Study for the Proposed Riverbank Wind Energy Facility between Hamburg and Wesley, Peddie, Amathole District Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Higgitt, N. 2010. An Archaeological Desktop Study for the Proposed Karoo Renewable Energy Facility on a Site South of Victoria West, Northern and Western Cape Province. Prepared for Savannah Environmental (Pty) Ltd.

#### **2011:**

- Binneman, J.N.F. & Booth, C. & Higgitt, N. 2011. An Archaeological Desktop Study and Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Clidet Data Cable Between Bloemfontein, Orange Free State and Graaff Reinet, Eastern Cape Province; Colesberg, Orange Free State and Port Elizabeth, Eastern Cape Province and; George, Western Cape Province And Port Elizabeth, Eastern Cape Province. Prepared for SRK Consulting.
- Binneman, J.N.F. & Booth, C. & Higgitt, N. 2011. A Phase 1 Archaeological Impact Assessment for the Proposed Kentani-Qolorha River Mouth-Kei River Mouth Road Upgrade, Mnquma Local Municipality, Amathole District Municipality, Eastern Cape Province. Prepared For SRK Consulting.
- Binneman, J.N.F. & Booth, C. & Higgitt, N. 2011. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Mixed-Use Housing Development, Kwanobuhle, Extension 11, Uitenhage, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared For SRK Consulting.

- Binneman, J.N.F; Booth, C. & Higgitt, N. 2011. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Karoo Renewable Energy Facility on a Site South of Victoria West, Northern and Western Cape Province on the Farms Phaisantkraal 1, Modderfontein 228, Nobelsfontein 227, Annex Nobelsfontein 234, Ezelsfontein 235, and Rietkloofplaaten. Prepared for Savannah Environmental.
- Booth, C. 2011. An Archaeological Desktop Study for the Proposed Establishment of the Spitskop Renewable Energy Facility and Associated Infrastructure on a Site North-West of Riebeek East, Cacadu District Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2011. An Archaeological Desktop Study for the Proposed 200MW Wind Energy Facility near Aberdeen, Camdeboo Local Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2011. An Archaeological Desktop Study for the Proposed Mainstream Aberdeen Wind Energy Facility, Aberdeen, Camdeboo Local Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2011. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Solar Facility on the Farm Toitdale, Portion 1 of 167, situated near Noupoort, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth C, 2011. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Solar Facility on the Farm Kleinfontein, Portion 4 of 167, situated near Noupoort, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2011. A Phase 1 Archaeological Impact Assessment for the Proposed Cookhouse II Wind Energy Facility, Blue Crane Route Local Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2011. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Mixed Residential Village on Portion 1 of Erf 319, Fairview Farm, Fairewood Estate, Grahamstown, Makana Municipality, Cacadu District, Eastern Cape Province.
- 2012:**
- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Jachtlakte Precinct Sustainable Human Settlement Plan, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting
- Booth, C. 2012. An Archaeological Desktop Study for the Proposed Elliot Wind Energy Facility on a Site West Of Elliot, Sakhisizwe Local Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed 75 MW Brakfontein Photovoltaic Solar Farm, Victoria West, Northern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed 75 MW Dobbins Photovoltaic Solar Farm on the Farm Hetfontein 1/66, near

Cradock, Inxuba Yethemba District Municipality, Eastern Cape Province. Prepared for SRK Consulting.

- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Upgrade of the National Route R61 Section 2 between Draairivier (KM 29,4) and Elinus Farm (KM 42,2) and Three borrow pits (BPA, Q3, and BPE), Near Cradock, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Hidden Valley Wind Energy Facility, near Sutherland, Northern Cape province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of the ACED Middelburg Solar Park (Park 1 and Park 2) on the Farm Tweefontein Remainder of Farm 11 (Solar Park 1) and Tweefontein Portion 4 of Farm 11 (Solar Park 2), Middelburg, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for the proposed Establishment of the Rodicon Solar Energy Facility of the Farm Zakfontyn 267, Between Middelburg and Cradock, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of the Amandla Welanga Solar Energy Facility on the Remaining Extent of the Farm Rietfontein 140, near Noupoort, Northern Cape province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of the DIDA Solar Energy Facility on Portion 3 of the Farm Rietfontein 140, near Noupoort, Northern Cape province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of the Inkululeko Solar Energy Facility on Portion 2 of the Farm Carolus Poort 167, near Noupoort, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for Five proposed Borrow Pits, Whittlesea Area near Queenstown, Lukhanji Local Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed 75 MW Collett Photovoltaic Power Station and Associated Infrastructure at Collett Substation, On Farms 335/0 And Farm 180/0, Near Middleburg, Eastern Cape Province. Prepared for Centre for Environmental Management (CEM).
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment: Upgrade of N10 Section 3 from the Riet River (Km45.2) To Tarka Bridge (Km 68.5), near Cradock, Eastern Cape Province. Prepared for Coastal and Environmental Services (CES).
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment:

Rehabilitation Of The National R61 Section 2 Elinus Farm (Km42.2) To N10 (Km85), Between Cradock and Graaff-Reinet, Eastern Cape Province. Prepared for Coastal and Environmental Services (CES).

- Booth, C. & Sanker, S. 2012. An Archaeological Ground-Truthing Survey for the Proposed Power Line Corridor for the Metrowind Wind Energy Facility (WEF), Van Staden's, Nelson Mandela Metropolitan Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. & Sanker, S. 2012. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of the Naauport Solar Energy Facility on the Remainder of the Farm Naauwpoort 1, near Noupoot, Umsobomvu Municipality, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. An Archaeological Ground-Truthing Walk-Through Survey for the Nobelsfontein Wind Energy Facility Situated on a Site South Of Victoria West on the Farms Nobelsfontein 227, Annex Nobelsfontein 234, Ezelsfontein 235, and Rietkloofplaaten 239, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. An Archaeological Ground-Truthing Walk-Through Survey for the Nobelsfontein Wind Energy Facility Situated On A Site South of Victoria West on the Farms Nobelsfontein 227, Annex Nobelsfontein 234, Ezelsfontein 235, And Rietkloofplaaten 239, Northern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2012. A Letter of Exemption to Conduct a Phase 1 Archaeological Impact Assessment as Part of the Environmental Assessment and Authorisation Process for the Proposed Mixed-Use Development on Part of R/Erf 361 And R/Erf 642 Adjacent to the Kowie River, Ndlambe Local Municipality, Port Alfred, Eastern Cape Province. Prepared for Bokamoso Landscape Architects & Environmental Consultants CC.

**2013:**

- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment (AIA) for the Airports Company of South Africa (ACSA) proposed Port Elizabeth Airport Stormwater Upgrade, Walmer, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment for the Proposed Witteklip Waste Water Treatment Works and Connecting Sewer Line, Van Stadens, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Mining of Gypsum on Erasmuslaagte No. 13 in the Baviaans Local Municipality and Portion 1 of the Farm East of Gous Kraal No. 257 in the Ikwezi Local Municipality, Cacadu District Municipality, Eastern Cape Province. Prepared For Algoa Consulting Mining Engineers (ACME).



- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment for the Proposed Establishment of a Camp Site for the Activities Associated With The Upgrade of the N10-4, Cradock [KM1.6] To Knutsford [KM29], Inxuba Yethemba Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Mining Right Application for The Mining of Dolomite, Limestone, Sand (General), Stone Aggregate, Gravel and Sand on Portions of Portion 17 and the Remainder of the Farm Lombard's Post 289, Bathurst, Eastern Cape Province. Prepared For Algoa Consulting Mining Engineers (ACME).
- Booth, C. 2013. A Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Mining Permit Application on Erf 118, Schoenmakerskop, Port Elizabeth, Nelson Mandela Metropolitan Municipality, Eastern Cape Province. Prepared For Algoa Consulting Mining Engineers (ACME).
- Booth, C. & Sanker, S. 2013. A Letter of Recommendation (With Conditions) for the Exemption of a Full Phase 1 Archaeological Impact Assessment for the Proposed Rehabilitation and Upgrade of the Cannonville Intersection off the N2 National Road and a Short Section of Road North of the N2, Colchester, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. & Sanker, S. 2013. A Letter of Recommendation (With Conditions) for the Exemption of a Full Phase 1 Archaeological Impact Assessment for the Proposed Bulk Sewer Pipeline for Kwanobuhle Extension 11, near Uitenhage, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. & Sanker, S. 2013. A Phase 1 Archaeological Impact Assessment for the Proposed 200MW Eskom Wind Energy Facility, Near Aberdeen, Camdeboo Local Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.
- Booth, C. & Sanker, S. 2013. A Phase 1 Archaeological Impact Assessment For The Proposed Spitskop Wind Energy Facility And Associated Infrastructure On A Site North-West Of Riebeeck East, Blue Crane Route Municipality And Makana Municipality, Eastern Cape Province. Prepared for Savannah Environmental (Pty) Ltd.

**2014:**

- Booth, C. 2014. A Letter of Recommendation (With Conditions) for the Exemption of a Full Phase 1 Archaeological Impact Assessment for the Proposed Langbos Bulk Water Supply Service And Waste Water Service Pipelines, Sunday's River Valley Municipality, Cacadu District Municipality, Eastern Cape Province. Prepared for SRK Consulting.
- Booth, C. 2014. A Letter of Recommendation (With Conditions) for the Exemption Of a Phase 1 Archaeological Impact Assessment (AIA) for the Proposed Kwanonkqubela Alexandria Community Health Centre on Erf 623, Alexandria, Ndlambe Local Municipality, Eastern Cape Province. Prepared for CEN Integrated Environmental Management (IEM) Unit.

- Booth, C. 2014. A Letter of Recommendation (With Conditions) for the Exemption of a Full Phase 1 Archaeological Impact Assessment for the Proposed Mining Permit Application on the Farm Altondale 408, Nelson Mandela Metropolitan Municipality (NMMM), Eastern Cape Province. Prepared for Algoa Consulting Mining Engineers (ACME).
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For A Mining Permit Application For Sand Mining On The Farm Tiger Springs 198, Near Bathurst, Amathole District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment For The Proposed Access Road Alternatives For The 75 Mw Brakpoort Photovoltaic Solar Farm, Victoria West, Northern Cape Province. Prepared For SRK Consulting.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For Two Additional Borrow Pits For The Upgrade Of The N2 National Route (N2-13) Between Grahamstown And The Fish River Bridge, Eastern Cape Province. Prepared For: Coastal And Environmental Services (CES).
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment (AIA) For The Proposed Clay Quarry On Portion 3 Of The Farm The Orchards 233, Division Of Grahamstown, Cacadu District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment (AIA) For The Proposed Sand Quarry On Portion 5 Of The Farm Lifford, District Of Albany Region, Cacadu District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For The Proposed Raymond Mhlaba Housing Development (Erf 50224, Erf 50226, And Subdivided Erven 45624 - 45627), Kwazakhele, Port Elizabeth, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared For Coastal And Environmental Services (CES).
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For The Proposed Masakhane Village Housing Project On Erf 8531 And Erf 52009, Ibhayi, Port Elizabeth, Nelson Mandela Bay Municipality, Eastern Cape Province. Prepared For Coastal And Environmental Services (CES).
- Booth, C. 2014. Conservation Management Plan For The Mfengu Burial Site In Richmond Avenue, Richmond Hill, Port Elizabeth, Nelson Mandela Bay Municipality, Eastern Cape Province. Compiled For Imbono FJA Architects Cc.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment (AIA) For The Proposed Road Upgrade Of The DR 08376 From The R61 At St Marks To Sabalele Village And Associated Borrow Pits, Near Cofimvaba, Intsika Yethu Local Municipality, Eastern Cape Province. Prepared For SRK Consulting.

- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For The Proposed Mining Of Sand On Portion 15 Of The Farm Lombard's Post 289, Southwell, Near Bathurst, Ndlambe Local Municipality, Sarah Baartman District Municipality, Eastern Cape Province. Prepared For Comply 360<sup>o</sup> Environmental Compliance Solutions.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment for the Proposed Spitskop East Wind Energy Facility Project, Cacadu District Municipality, Eastern Cape Province. Prepared For Savannah Environmental (Pty) Ltd.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For An Application To Mine Sand In A Section Of The Klein Fish River Situated On Portion 1 And Portion 8 Of The Farm Grootvlakte 49, Division Of Somerset East, Blue Crane Municipality, Cacadu District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For the Exemption of A Full Phase 1 Archaeological Impact Assessment for A Mining Permit Application to Mine Gravel / Stone on the Farm Olive Woods Estate 169, Division of Bedford, Amathole District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For A Mining Permit Application For A Hard Rock Quarry On The Farm Olive Woods Estate 169, Division Of Bedford, Cacadu District Municipality, Eastern Cape Province. Prepared For Stellenryck Environmental Solutions.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment (AIA) For The Proposed Walmer Gqebera Transitional Housing Development On A Portion Of Erf 1948, Walmer, Port Elizabeth, Nelson Mandela Metropolitan Municipality, Eastern Cape Province. Prepared For SRK Consulting.
- Booth, C. 2014. A Phase 1 Archaeological Impact Assessment (AIA) For The Proposed Walmer Gqebera Low Cost Housing Development On Erf 11305, Walmer, Port Elizabeth, Nelson Mandela Metropolitan Municipality, Eastern Cape Province. Prepared For SRK Consulting.
- Booth, C. 2014. A Letter Of Recommendation (With Conditions) For The Exemption Of A Full Phase 1 Archaeological Impact Assessment For The Proposed Upgrade Of The R335 Zuurberg Road, Km 90 To Km 163.70, Northern Section From Ann's Villa To Somerset East, Sunday's River Valley And Blue Crane Route Municipalities, Cacadu District Municipality, Eastern Cape Province. Prepared For Ethical Exchange Sustainability Services (Pty) Ltd.

**2015:**

- Booth, C. 2015. A Phase 1 Archaeological Impact Assessment (AIA) For the Proposed Residential Development on Erf 181, Cape St Francis, Eastern Cape Province. Prepared For: Frank Silberbauer Consulting.

Booth, C. 2015. A Phase 1 Archaeological Impact Assessment (AIA) For the Proposed Residential Development on Erf 585, Cape St Francis, Eastern Cape Province. Prepared For: Frank Silberbauer Consulting.

**CULTURAL RESOURCE MANAGEMENT MONITORING PROJECTS:**

**2014:**

1. Monitoring of the construction activities for a portion of Stretches' Court for the upgrade of the Drostdy Hotel, Graaff Reinet.



## environmental affairs

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### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

|                        | (For official use only) |
|------------------------|-------------------------|
| File Reference Number: | 12/12/20/ or 12/9/11/L  |
| NEAS Reference Number: | DEA/EIA                 |
| Date Received:         |                         |

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 132KV OVERHEAD DISTRIBUTION LINE FOR THE PROPOSED 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCE, SOUTH AFRICA.

|                                      |   |       |                  |
|--------------------------------------|---|-------|------------------|
| Specialist:                          | Simon Todd Consulting   |       |                  |
| Contact person:                      | Simon Todd  |       |                  |
| Postal address:                      | 60 Forrest Way, Glencairn   |       |                  |
| Postal code:                         | 7975  | Cell: | 082 332 6502     |
| Telephone:                           | 021 780 0377  | Fax:  |                  |
| E-mail:                              | Simon.todd@3foxes.co.za   |       |                  |
| Professional affiliation(s) (if any) | Pr.Sci.Nat 400425/11  |       |                  |
| Project Consultant:                  | EOH Coastal & Environmental Services                                    |       |                  |
| Contact person:                      | Marc Hardy (Environmental Assessment Practitioner)                      |       |                  |
| Postal address:                      | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point. |       |                  |
| Postal code:                         | 8005  | Cell: | /                |
| Telephone:                           | 021 045 0900  | Fax:  | +27 (0)466226564 |
| E-mail:                              | m.hardy@cesnet.co.za  |       |                  |

4.2 The specialist appointed in terms of the Regulations\_

I, Simon Todd, declare that –

General declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.



Signature of the specialist:

Simon Todd Consulting

Name of company (if applicable):

4 May 2016

Date:

## CURRICULUM VITAE

### SIMON TODD

Profession: Ecological Consultant  
Specialisation: Plant & Animal Ecology  
Years of Experience: 15 Years

#### SKILLS BASE AND CORE COMPETENCIES

- Research & description of ecological patterns & processes in Fynbos, Succulent Karoo, Nama Karoo, Thicket, Arid Grassland and Savannah Ecosystems.
- Ecological Impacts of land use on biodiversity
- Vegetation surveys & degradation assessment & mapping
- Long term vegetation monitoring
- Faunal surveys & assessment.
- GIS & remote sensing

#### TERTIARY EDUCATION

- 1992- 1994 – BSc (Botany & Zoology), University of Cape Town
- 1995 – BSc Hons, Cum Laude (Zoology) University of Natal
- 1996- 1997- MSc, Cum Laude (Conservation Biology) University of Cape Town

#### EMPLOYMENT HISTORY

- 1997 – 1999 – Research Scientist (Contract) – South African National Biodiversity Institute
- • 2000 2004 – Specialist Scientist (Contract ) South African National Biodiversity Institute
- • 2004 2007 – Senior Scientist (Contract) – Plant Conservation Unit, Department of Botany, University of Cape Town
- • 2007 Present – Senior Scientist (Associate) – Plant Conservation Unit, Department of Botany, University of Cape Town.

#### SELECTED RELEVANT PROJECT EXPERIENCE

- Bitterfontein Solar Plant Fauna & Flora Specialist Assessment. Specialist Report for Cape EA/Prac. 2012.
- Beaufort West Solar Facility, Erf 7388 Fauna & Flora Specialist Assessment. Specialist Report for Cape EA/Prac. 2012.
- Plant Sweeps on Portion 2 of the Farm Demaneng 546, Kuruman District, Northern Cape Province for SA Manganese. 2011.
- Proposed Olyven Kolk Solar Power Plant, Northern Cape: Botanical and Faunal Specialist Assessment. Specialist Report for Environmental Resources Management (ERM). 2011.
- Klawer Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management. 2011.
- Witberg Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management. 2011.
- Lambert's Bay Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management. 2011.



## environmental affairs

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### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

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Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 132KV OVERHEAD DISTRIBUTION LINE FOR THE PROPOSED 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCE, SOUTH AFRICA.

|                                      |   |              |
|--------------------------------------|---|--------------|
| Specialist:                          | African Insights  |              |
| Contact person:                      | Dr Tony Williams  |              |
| Postal address:                      |   |              |
| Postal code:                         | Cell:   | 084 505 5450 |
| Telephone:                           | Fax:  |              |
| E-mail:                              | capeokapi@gmail.com                                       |              |
| Professional affiliation(s) (if any) | Ph.D. Zoology, University of Cape Town, South Africa 1980 |              |

|                     |   |                  |
|---------------------|---|------------------|
| Project Consultant: | EOH Coastal & Environmental Services                                    |                  |
| Contact person:     | Marc Hardy (Environmental Assessment Practitioner)                      |                  |
| Postal address:     | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point. |                  |
| Postal code:        | Cell:   |                  |
| Telephone:          | Fax:  | +27 (0)466226564 |
| E-mail:             | m.hardy@cesnet.co.za  |                  |



4.2 The specialist appointed in terms of the Regulations\_

I, Dr Tony Williams, declare that –

General declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.



\_\_\_\_\_  
Signature of the specialist:

African Insights

\_\_\_\_\_  
Name of company (if applicable):

8 April 2016

\_\_\_\_\_  
Date:

# Dr A.J. (Tony) Williams

## QUALIFICATIONS

B.Sc. Cum laude. in Geography, University of Sheffield, UK 1964

Postgraduate Certificate in Museum Studies, University of Leicester, UK 1968

M.Sc. Zoology, University of Sheffield, UK 1972

Ph.D. Zoology, University of Cape Town, South Africa 1980

## EMPLOYMENT

- 2008-present: **Consultant. Co-director: African Insights, Director: Dr Williams Bird Surveys**
- 2001-2007 Seconded by Cape Nature to the **Avian Demography Unit, University of Cape Town:**
- 1988-2007** Senior Ornithologist at **Cape Provincial Nature Conservation:** Responsible for Walvis Bay and guano islands 1988-1994; Expert avifaunal advisor in Cape Town: 1994-2001.
- 1982-1988: Ornithologist for **Department of Conservation and Tourism SW Africa/ Namibia**
- 1973-1982: Research officer at **Percy Fitzpatrick Institute of African Ornithology, University of Cape Town:** dealing with sub-Antarctic Marion and Gough Islands (23 published scientific papers) and coastal birds in the southwestern Cape (6 papers)
- 1965- 1973: **Norway** (1969-1973) – research assistant at Tromso University
- Canada** (1964-1965) - Assistant Planner in Vancouver, British Columbia;
- Britain** – (1964) Peak District National Park - Assistant planner;
- Overall: 43 years as a professional ornithologist, 25 years as a conservation officer; 20 years involvement in consultancy.**

## CONSULTATIONS

### Fields of expertise:

- Specialist avifaunal assessments/ surveys;
- Development of tourism concepts;
- Provision of nature interpretational material/signage

## TERRESTRIAL DEVELOPMENTS

### Energy projects:

**Eskom:** Appraisal of bird impacts for 5 new Eskom lines: at Kimberley; Misverstand (Swartland); and 3 lines related to wind farms in the Roggeveld area (Northern/Western Cape border area). Review of the potential impacts of electricity infrastructure on birds in the entire West Coast District Municipality.

**Wind Energy Farms (WEFs):** Work on 10 WEFs. Scoping for a WEF, with associated radar survey and full moon observations of bird movements, near Vredenburg; Scoping for Denham WEF near Struis Bay; Avifaunal EIA section for Zen WEF near Gouda (2013-2014); Seasonal pre-construction avifaunal field monitoring for 5 WEFs in the Roggeveld region between Matjiesfontein and Sutherland (2013-16); Socio-economic plans related to Witteberg WEF near Laingsburg, and for proposed WEFs near Klawer and in the Richtersveld. Reports on associated powerlines between Roggeveld WEFs, transformer substations, and from substations to Eskom substation.

**Solar Power Plants (SPP)** Avifaunal EIAs for 9 PV solar arrays: near Langebaan (2014); near Touws River (2015); near Vanderkloof Dam in the Free State (2015-2016); and 6 proposed SPPs near Vryburg in the North west Province (2015-2016).

### Nuclear Power Plants

Peer-reviewer for faunal reports prepared for 3 proposed nuclear plants (2009)

### URBAN PROJECTS:

**Residential developments:** Strandfontein (2008), Paarl golf estate (1999), Atlantic Hills (Cape Town) (2012)

**Landfills:** Avifaunal appraisals in terms of habitat loss, bird use, and problems in developed landfills for proposed new regional landfills for the Eden (2011) and Winelands (2013) District Municipalities

**Roads:** Impacts of new roads on birds, including pollution and disturbance: In Cape Town - R 300 Strandfontein (2004) & Military Road (2008) proposals. In the West Coast District Municipalities - R27 Elands Bay to Lamberts Bay phases 1 (2000) and 2 (2004). Also prepared a global review of road impacts on reptiles

## WETLAND RELATED DEVELOPMENTS

**Century City, Cape Town** – Reports on: the control of building heights (2007); Canoeist disturbance of birds (2008); Impacts on birds of rotenone poisoning of fish (2009). Also 20 years as ornithologist on the environmental advisory committee for the Intaka Island Nature reserve within Century City.

**Paardevlei, Somerset West:** - Pre-draining appraisal (2004), Impacts on birds of rotenone poisoning of fish (2005), wetland development plan and bird monitoring ongoing 2013-2016

**Flamink Vlei, Berg River:** 2006-2011 impacts on birdlife of this major – 900 residential units – development; reports on potentials for avi-tourism (2007) and for establishing a guano enterprise (2007)

**Paarl:** 10 years in advisory role for the Bird Sanctuary/ WWTW; Advice to the Paarl Golf Estate;

**Miscellaneous:** Assessment of impacts on birds of developments at Uilenkraal (2 separate residential development proposals eastern (2002) western (2005)); Thesen Island, Knysna (1996); De Plaat – on Berg River (2005-2011); Atlantic Hills, Richwood (2012); – How to reduce waterbird use of wetlands to avoid collision mortalities.

## **MARINE/ COASTAL DEVELOPMENTS**

**Offshore:** Marine oil, gas and diamond EIAs (1998-2004). Assessment of proposed salmon farm in Saldanha Bay (2012)

**Onshore:** Avifaunal advisor for Saldanha Port development (2014-2016); Site selection for the proposed West Coast District Municipality desalination plant (2012); Report on the potential for further guano platforms along the Namibian coast (1989). Effects of off-road vehicles on beach birds (published scientific paper)

**Coastal residential developments:** in the Uilenkraal valley, near Gansbaai (1999), Laaiplek (2005), Doring Bay (2008), Strandfontein - near the Olifants River (2008)

## **TOURISM/ ECO-EDUCATION DEVELOPMENTS**

Concept developer, fund raiser, and partial project manager of numerous tourism developments most connected with the development of local communities

**Rietvlei wetland eco-centre:** 1996. Developed concept, motivated funding, taken to full Scoping level.

**West Coast Investment Initiative:** 1997-1999. Prepared tourism development proposals for Verloren Vlei and Pakhuis Pass (Cederberg). Concept development, fund motivator, and project manager for Lamberts Bay Bird Island tourism phases 1 (completed 1998) and 2 (completed 2001).

**Cape Nature:** Project manager for the Whale Hiking Route at De Hoop Nature Reserve (2002). Rocher Pan – provision of interpretation material (2009).

**Coastcare:** 2005. Developed proposals for Coastcare funding of tourism facilities at Kleinbaai (near Gansbaai), Bettys Bay, and Lamberts Bay. All were short-listed, field inspected, and endorsed by the authorities. However, the foreign donor withdrew funding at national level. The Bettys Bay development at Stoney Point has been developed under different funding and I provided the interpretation material (2012-2014).

**Flandos & associates:** Matzikama Eco-park in Vredendal taken from concept to completion (2002-2004). Proposed developments at Doring Bay (2007), Graafwater, Citrusdal, and near Darling are still being considered.

**Miscellaneous:** Boschberg eco-residential/ ecotourism development (Somerset East) for Blue Crane Route (2010); Paardevlei (Heartlands); Flamenco Eco-centre, De Plaat; provision of interpretation material for Lamberts Bay Bird Island tourism phase 3 (2012-2015).

## **SCIENTIFIC ACHIEVEMENT**

110 peer-reviewed papers in the international scientific literature

**SANCCOB** (South African National Council for Conservation of Oiled Birds). Member of the executive committee 1994-2000, chairperson 1998-2000. High level involvement during the *Apollo Sea* spill in 1994; research into subsequent survivability and reproduction of de-oiled penguins 1994-1999; and advisor to the top level daily response committee for the *Treasure* spill of 2000.



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### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCES, SOUTH AFRICA.

|                                      |  |       |              |
|--------------------------------------|--|-------|--------------|
| Specialist:                          | Tony Barbour Environmental Consulting and Research |       |              |
| Contact person:                      | Tony Barbour                                       |       |              |
| Postal address:                      | 10 Firs Avenue, Claremont                          |       |              |
| Postal code:                         | 7708   | Cell: | 0826008266   |
| Telephone:                           | 021-761 2355                                       | Fax:  | 021-761 2355 |
| E-mail:                              | tbarbour@telkomsa.net                              |       |              |
| Professional affiliation(s) (if any) | IAIA   |       |              |

|                     |   |       |                  |
|---------------------|---|-------|------------------|
| Project Consultant: | EOH Coastal & Environmental Services                                    |       |                  |
| Contact person:     | Marc Hardy (Environmental Assessment Practitioner)                      |       |                  |
| Postal address:     | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point. |       |                  |
| Postal code:        | 8005  | Cell: | /                |
| Telephone:          | 021 045 0900  | Fax:  | +27 (0)466226564 |
| E-mail:             | m.hardy@cesnet.co.za  |       |                  |

4.2 The specialist appointed in terms of the Regulations\_

I, Tony Barbour \_\_\_\_\_, declare that --

General declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.

Signature of the specialist: \_\_\_\_\_



Tony Barbour Environmental Consulting and Research

Name of company (if applicable): \_\_\_\_\_

4 April 2016

Date: \_\_\_\_\_

## **Curriculum Vitae**

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### **Tony Barbour**

#### **ENVIRONMENTAL CONSULTING AND RESEARCH**

10 Firs Avenue, Claremont, 7708, South Africa  
(Tel) 27-21-761 2355, (Fax) 27-21-761 2355, (Cell) +27-82 600 8266  
(E-Mail) [tbarbour@telkomsa.net](mailto:tbarbour@telkomsa.net)

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Tony Barbour has 24 years' experience in the environmental sector. His experience includes ten years as an environmental consultant in the private sector in South Africa followed by four and a half years at the University of Cape Town's Environmental Evaluation Unit. In 2004 he established his own environmental consulting company, Tony Barbour Environmental Consulting and Research, with a focus on Social Impact Assessment (SIA), Strategic Environmental Assessment (SEA), Independent Review Work, Training and Capacity Building and Environmental Project Management.

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#### **PERSONAL DETAILS**

Tony Barbour, born on 8 June 1961  
Nationality: South African and Irish  
Marital Status: Married

#### **EDUCATION**

- BSc (Geology and Economics) Rhodes, 1984;
- BEcon (Honours) Rhodes, 1985;
- MSc (Environmental Science) University of Cape Town, 1992

#### **ADDITIONAL QUALIFICATIONS**

- Advanced and basic mediation/facilitation skills training course, Centre for Conflict Resolution, University of Cape Town (1999);
- Multi-party negotiation and facilitation skills for natural resource management, MEPC/CIDA (1999).

#### **ACADEMIC AWARDS**

- Schwartz Award, Top Student, Geology III, Rhodes University;
- Shell Medal of Excellence, Top student, Masters Course Work, MSc Environmental Science, UCT.

#### **AREAS OF EXPERIENCE AND EXPERTISE**

Project management, proposal writing, preparation, review and editing of reports and documents, environmental planning and management, Social Impact Assessment (SIA); Environmental Impact Assessment (EIA); Strategic Environmental Assessment (SEA); waste management, environmental economics, facilitation, public participation, training and teaching. Countries with work experience include South Africa, Namibia, Angola, Botswana, Zambia, Lesotho, Swaziland, Ghana, Mozambique, Mauritius, Kenya, Ethiopia, South Sudan, Sudan and Oman.

## **EMPLOYMENT RECORD**

- **Private Consultant:** November 2004-current.
- **University of Cape Town:** August 2000-October 2004, Environmental Evaluation Unit (EEU), University of Cape Town. Senior Environmental Consultant and Researcher;
- **Private sector: 1991-August 2000.** 1991-1996: Ninham Shand Consulting (Cape Town). Senior Environmental Scientist, 1996-August 2000: Steffen, Robertson and Kirsten (SRK Consulting) – Associate Director, Manager Environmental Section, SRK Consulting, Cape Town.

## **RELEVANT AREAS OF EXPERIENCE AND EXPERTISE**

### ***SOCIAL IMPACT ASSESSMENT***

#### ***Infrastructure and development projects***

- SIA for small scale hydropower project on Orange River, South Africa (2015);
- SIA for 150 MW coal power station, Mpumalanga, South Africa (2014);
- SIA for waste to energy plant, Pretoria, South Africa (2014);
- SIA for mixed use development in Khayelitsha, Western Cape (2014);
- SIA for small scale hydro scheme on the Orange River, South Africa (2014);
- SIA for Eskom sub-station and power lines, George, South Africa (2014);
- SIA for Trawal Dam, Clanwilliam, Western Cape Province (2013);
- SIA for Eskom transmission lines from proposed Bantamsklip Nuclear Power Station, Western Cape (2010). Project put on hold after initial scoping phase;
- SIA for Eskom transmission lines from proposed Koeberg Nuclear Power Station, Western Cape (2010);
- SIA Bloubos Road, Somerset West, Western Cape (2010);
- SIA for Boschendal Farm Mixed Use Development, Stellenbosch, Western Cape (2008-current);
- SIA Driftsands Nature Reserve, Cape Town, Western Cape (2009);
- SIA Kidds Beach Golf Estate, East London (2009);
- SIA Swartland Regional Mall, Malmesbury, Western Cape (2009);
- SIA Klipfontein Mixed Use Residential Development, Malmesbury, Western Cape (2009);
- SIA Struisbaai Harbour Development, Struisbaai, Western Cape (2009);
- SIA De Plaat Mixed Use Residential Development, Velddrift, Western Cape (2009);
- SIA Woodlands Golf Estate, East London, Eastern Cape (2009);
- SIA Duttons Cove Residential Development, Herolds Bay, Western Cape (2008);
- SIA Ashton Mixed Use Development, Ashton, Western Cape (2009);
- SIA for Mandela Bay Mixed Development Precinct, Mandela Bay, Eastern Cape (2008);
- SIA for Annandale Mixed Development Precinct, Cape Town, Western Cape (2008);
- SIA for Garden Route Dam development, George, Western Cape (2008);
- SIA for Moropule Coal Power Station, Botswana (2007);
- SIA for proposed residential development near Stillbaai, Western Cape (2007);
- SIA for proposed residential development near Gansbaai, Western Cape (2007);
- SIA Bulk Water Scheme, City of Cape Town, Western Cape (2007);
- SIA Montague Golf Estate, Western Cape (2006);
- SIA for Schalkenbosch Golf Estate, Tulbagh, Western Cape (2006);
- SIA for 2010 World Cup Stadium on Green Point Common, Cape Town (2006);
- SIA for raising of the Clanwilliam Dam, Western Cape (2005-06);
- SIA Kransvlei Golf Estate, Clanwilliam, Western Cape (2005);
- SIA for road up-grade between Gansbaai and Bredadorp, Southern Cape (2005);
- SIA Zeekoewlei Golf Estate, Somerset West, Western Cape (2005)
- SIA Silwersand Golf and Resort Estate, Robertson, Western Cape (2003)
- SIA Assessment for Valkenberg East Site, Cape Town (2003).
- N2 – Outeniqua Pass by-pass, George, SA. Socio-economic assessment for proposed by-pass options between the N2 and the Outeniqua Pass (1997).
- Social Assessment for Sparrebosch Golf Course, Knysna, SA (1996).
- Social Assessment for Riversonderend Road By-pass (1991).



#### **Mining and Industrial projects**

- SIA for Lucunga Mine, Angola (2016);
- Social Labour Plan for Granite Quarry, North West Province, South Africa (2015);
- Social Labour Plan for coal mine in Mpumalanga, South Africa (2014);
- SIA for heavy mineral separation plant, Vredendal, Western Cape Province (2012);
- SIA Otjizondo Manganese Mine, Namibia (2011);
- SIA for upgrade of PPC Riebeeck cement plant, Western Cape, South Africa (2009);
- SIA for Elitheni Coal Mine, Eastern Cape (2008);
- SIA and Resettlement Action Plan (RAP) for Southern Ashanti Gold Mining Project, Ghana (2007);
- SIA for Valencia Uranium Mine, Swakopmund, Namibia (2007);
- SIA for expansion of PPC cement factory, Riebeck West, Western Cape (2007);
- SIA and Social Labour Plan for Xolobeni Heavy Mineral Sands Project, Eastern Cape, South Africa (2007);
- SIA and Social Labour Plan for Tormin Heavy Mineral Sands Project, Western Cape, South Africa (2007);

#### **Renewable energy projects**

- SIAs for wind energy facilities: SIAs for over 50 wind energy projects in Western Cape, Eastern Cape and Northern Cape Province of South Africa (2008-current);
- SIAs for solar energy facilities: SIAs for over 60 solar energy projects in Western Cape, Northern Cape, Free State, North West, Mpumalanga and Limpopo Provinces of South Africa (2009-current).

#### **Strategic social input into projects**

- Social Specialist for funder review based on IFC standards for hydropower power project in Zambia (2014-2015);
- Social Specialist for identification of multi-sector investment opportunities in the Eastern Nile Basin, World Bank and Eastern Nile Technical Office (2015);
- SIA as part of SEA undertaken for industrial area located near Wellington, Western Cape Province (2014);
- Social specialist for assessment of large dam developments on the Eastern Nile Basin, specifically the Blue Nile (Abbay River) in Ethiopia and the consequences for the downstream countries of Sudan and Egypt, World Bank and Eastern Nile Technical Office (2012-2013);
- Social specialist for development and design of Decision Support System for the Nile Basin. Input included development of social indicators used to assess water related projects and development scenarios (dams and irrigation schemes) in the Nile Basin (2012);
- Social specialist for the water resource classification of the Olifants/Doorn Catchment Area (Western and Northern Cape Province) (2011-2012).

#### **Social Impact Assessment and Resettlement Guidelines**

- Development of Guidelines for Social Impact Assessment for Department of Environmental Affairs and Development Planning, Western Cape, (2007);
- Development of a Social Assessment and Development Framework for Department of Water Affairs and Forestry, South Africa, including development of guidelines for Social Impact Assessment, Conflict Management, Relocation and Resettlement and Monitoring and Evaluation (2005). The aim of these guidelines was to assist DWAF to identify, assess and manage social impacts (positive and negative) during the design, development, operation and closure of projects.

#### **Resettlement Action Plans (RAPs)**

- RAP for farming community located near Paarl in the Western Cape (current);
- SIA and RAP for Southern Ashanti Gold Mining Project, Ghana (2007);
- RAP for Mare Chicose Landfill Site, Mauritius (2005);
- Maguga Dam, Swaziland. Development of socio-economic monitoring and evaluation programme, including indicators, for the resettlement programme, Swaziland (2001).

#### **Waste management projects**

- SIA for Integrated Waste Management Facility, City of Cape Town (2015);
- SIA for Waste to Energy Facility, Wellington, Western Cape (current);
- SIA for Vissershok landfill expansion, Cape Town (2014);
- SIA for Stellenbosch Landfill Site (2011);
- SIA for Barka Landfill Site, Barka, Oman (2011);
- SIA Helderberg Waste Transfer Station, Western Cape, (2009);
- SIA for Mare Chicose Landfill Site, Mauritius (2005);
- SIA for Coastal Park Landfill Site (1998).

#### **STRATEGIC ENVIRONMENTAL ASSESSMENT**

- Project Manager SEA for assessment of option to develop biofuels in Northern Namibia (2010-2011);
- Project Manager SEA City of Windhoek, Namibia (2010-2011);
- Project manager and environmental specialist for SEA for Phase 2 of the National Roads Strategy for Mozambique (2007);
- Joint project manager for SEA of Cape Town 2004 Olympic Bid, Cape Town, SA (1999);
- Baralink SEA, Johannesburg, SA. Specialist input on socio-economic aspects for Baralink SEA (1998).
- Series of 4 Strategic Environmental Assessment training courses for officials of the Government of Botswana, 2000 & 2001.
- Guest lecturer in SEA for MPhil course in Environmental Management at University of Cape Town, 2000-2004.
- Paper presented at IAIA 98, Christchurch, New Zealand (1998). Strategic Environmental Assessment of the Cape Town 2004 Olympic Bid,

#### **ENVIRONMENTAL IMPACT ASSESSMENT**

Experience includes developing proposals (technical and financial), liaising with clients, authorities and the public, developing terms of reference for specialist sub-consultants, project management and reviewing reports. Projects include:

- Barka Landfill Site, Barka, Oman (2011);
- Darling Wind Farm, Western Cape, South Africa. Environmental assessment of proposed Wind Farm near the town of Darling (2002).
- Walvis Bay Naval Facility, Walvis Bay, Namibia. Environmental assessment of the proposed naval facilities in Walvis Bay (2001).
- Portnet Saldanha, Western Cape, SA. EIA for the expansion of a bulk iron ore export facility at the Port of Saldanha (2000).
- Coastal Park Waste General Waste Site, Cape Town, SA. EIA, including public participation for a large, general waste site (1998).
- Sanderlings Development Plettenberg Bay, SA. EA, including public participation, for proposed residential development adjacent to the coast (1999).
- Stellenbosch Mountain Golf Course Development, Stellenbosch, SA. EIA, including public participation, for golf course, hotel and residential development (1998).
- Sparrebosch EIA, Knysna, South Africa (SA). EIA, including public participation, for golf course, hotel and residential development (1996).
- Stones Hill by-pass, Grahamstown, SA. EIA, including public participation, of a proposed by-pass near Stones-Hill, Grahamstown (1992).
- Riversonderend N2 by-pass, Riversonderend, SA. EIA, including public participation, of a proposed by-pass of the N2 around the town of Riversonderend (1991).

#### **REVIEW**

- Review of SIA for N3 by-pass around Harrismith, Free State Province, (2015-16)
- Review of social implications associated with proposed SANRAL N1-N2 Winelands Toll Road

- Project as part of the City of Cape Town's legal challenge of SANRAL's proposal to develop toll roads (2015);
- Internal Review of Gamsberg Zinc Mine SIA for ERM (Northern Cape Province, South Africa), March, 2013;
  - Internal Review of Waterval Tailings Dam SIA for WSP (North West Province, South Africa), March, 2013,
  - Review of SIA for the proposed N1-N2 Winelands Toll Road Project as part of the City of Cape Town's legal challenge to the proposed project (2011-2012);
  - Review of SIA for Nuclear 1 for Arcus Gibb (3 conventional nuclear power plants) located along the western and south eastern coasts of South Africa (2009);
  - Review of SIA for proposed PMBR Plant at Koeberg, Western Cape (2008);
  - Review of specialist reports for the Groot Letaba Dam EIA, Mpumalanga, South Africa (2008).
  - External Review Consultant for SIA component of N2 Wild Coast Toll Road EIA (2008).
  - Internal Review Consultant for Golder Associates on Namakwa Sands Heavy Mineral Mining EIA, Western Cape (2006);
  - Review of EIA for Palm Valley Golf Course Estate, Durbanville, Western Cape (2005);
  - Review of EIA for Zeekoevlei Golf Course Estate, Somerset West, Western Cape (2005);
  - Review of EIA for Oostenberg Waste Transfer Station, Brackenfell, Western Cape (2004);
  - Review of Socio-Economic Study undertaken for the R300 Toll Road EIA, Cape Town, Western Cape (2004);
  - Review of EIA for proposed establishment of Toll booths on Chapman's Peak Drive, Cape Town, Western Cape (2003);
  - Review of EIA for Cell Phone Mast, Cedeberg, Western Cape (2003);
  - Review of EIA for Hotel and Conference Center, Durbanville, Western Cape (2003);
  - Review of EIA for N7 Road Up-grade, Clanwilliam, Western Cape (2002);
  - Review of EIA for Up-grade of Sewage Works, Western Cape (2002).

#### **ENVIRONMENTAL RESEARCH**

Experience and projects include:

- Environmental and social specialist for the development of Mozambique Biofuels Strategy (2007).
- Development of strategy for the development of the Environmental Goods and Service Industry in the Western Cape for the Department of Environmental Affairs and Development Planning in the Western Cape (2006).
- Review of the Environmental Goods and Service Industry in South African and development of a strategy for the Department of Trade and Industry, South Africa (2006).
- Chapter on the South African Environmental Goods and Services Industry for study commissioned by the Department of Environmental Affairs and Tourism (2006).
- Integrating Sustainable Development into the Integrated Development Planning Process in South Africa. Review of 4 case studies in SA for the World Summit on Sustainable Development, Johannesburg (2002).
- Development of Integrated Sustainable Transportation Assessment Framework for Transportation Planning in South Africa. Project Manager for joint project between EEU and Urban Transportation Research Group at UCT (2003).
- Project Manager for South African Cleaner Development Mechanism (CDM) initiative being undertaken by South South North Trust. Project involves the recovery of methane gas from the Bellville South Landfill Site in Cape Town (2004)
- Development of Toolkit for incorporating Sustainable Development in to the Integrated Development Planning Process in South Africa (2004).
- Integrating Sustainable Development into the Eastern Cape Province Provincial Growth and Development Plan, 2004-2020 (2003-2004).
- Department of Housing, South Africa. Assessment of options for the development of energy and water efficient low cost housing in South Africa and an assessment of potential financing mechanisms, South Africa (2000).

### **ENVIRONMENTAL PLANNING**

- Development of a Rehabilitation and Land Use Plan for the Alexkor Mining Area in the Richtersveld in the Northern Cape Province (2003-2007). This formed part of a land claim for the Richtersveld Community and included acting as the lead expert witness for the community in the associated court case.
- Southern Cape Spatial Development Framework (SCSDF), Southern Cape Region, SA. Environmental opportunities and constraints assessment for SCSDF study (2000).
- Stellenbosch Rivers Management Plan, Stellenbosch, SA. Integrated management plan for the urban river systems in Stellenbosch (1998).
- Wetton-Lansdowne corridor project, Cape Town, SA. Habitat conservation and biodiversity study to inform planning proposals for the Wetton-Lansdowne corridor (1998).
- Tygerberg Spatial Development Framework, City of Tygerberg, Cape Town, SA. Environmental baseline study for the spatial development framework study for the City of Tygerberg (1999).
- Protea Valley development options, City of Tygerberg, Cape Town, SA. Assessment and identification of suitable land use development options for Protea Valley (2000).

### **WASTE MANAGEMENT**

- Project Manager, Al Wusta Regional Waste Site Investigation, Oman (2011).
- Project Manager, Al Batinah Regional Waste Site Investigation, Oman (2011);
- Project Manager, Barka Landfill Site EIA, Muscat, Oman (2010);
- Mare Chicose Landfill, Mauritius. SIA and Compensation and Relocation Plan for proposed expansion of the current landfill site (2005).
- Robertson Waste Site, Robertson, SA. EA, including public participation, for the identification of a new waste site (2000).
- Project Manager, Coastal Park General Waste Site, Cape Town, SA. EIA for proposed expansion of a large, general waste site (1998).
- Project Manager, Windhoek general and hazardous waste site, Windhoek, Namibia. Investigation to identify new general and hazardous waste disposal site for Windhoek (1997).
- Project Manager, Walvis Bay general and hazardous waste site, Walvis Bay, Namibia. Investigation to identify new general and hazardous waste disposal site for Walvis Bay (1998).
- Project Manager, Port Elizabeth Waste Site, Port Elizabeth, SA. Environmental Assessment for permit application (1998).
- Project Manager, Brackenfell general waste site, Cape Town, SA. Permit application report and environmental assessment for Brackenfell waste site (1995).
- Project Manager, Ceres general waste site, Ceres, SA. Permit application report and environmental assessment for Ceres waste site (1995).
- Project Manager, Caledon general waste site, Caledon, SA. Permit application report and environmental assessment for Caledon waste site (1996).
- Project Manager, Wellington general waste site, Wellington, SA. Permit application report and environmental assessment for Wellington waste site (1996).
- Project Manager, Greyton general waste site, Greyton, SA. Permit application report and environmental assessment for Greyton waste site (1999);

### **ENVIRONMENTAL TRAINING AND CAPACITY BUILDING**

Experience includes design of training courses, development of training manuals and running courses for both the private and public sector. Courses include:

- 2 X 5 day course on Resource Economics for Coastal Managers and Government Officials, Namibian Government (2009).
- 5 day course on EIA and Environmental Management course for Swaziland Local Authorities, 2004.
- Integrated Coastal Management course for Department of Marine and Coastal Management, 2004.
- 5 regional Social Assessment Training Workshops for officials from the South African Department of Water Affairs and Forestry, 2004.

- EIA training course for officials of the South African National Parks, Kruger National Park, 2003.
- Environmental Management course for Shell South Africa, 2003.
- 10 Local Agenda (LA) 21 training courses for provincial and local government departments in South Africa during period 2000-2002.
- Resource Economics Workshop for South African Department of Water Affairs and Forestry, 2002.
- Conflict Resolution Workshop for subsistence fishermen, Kwa-Zulu Natal, 2002.
- Integrating the principles of LA 21 into Integrated Development Planning. Course presented at World Summit on Sustainable Development, Johannesburg, 2002.
- Environmental facilitation, mediation and conflict management. Training course for Independent Mediation Services in South Africa (IMSSA) facilitators, 1998, 1999 and 2000.
- Series of 4 Strategic Environmental Assessment training courses for officials of the Government of Botswana, 2000 & 2001.
- EIA training course for officials of the Government of Lesotho, 2000 and 2001.
- EIA training courses for local government officials in Cape Town, 2000.

### **LECTURING AND TEACHING**

Experience includes lecturing and teaching at an under and post-graduate level since 1990. The areas of interest include Environmental Economics, EIA, SEA, SIA and Waste Management.

- Guest Lecturer in SIA, Department of Environmental and Geographical Science and Department of Planning, University of Cape Town (current);
- Lecturer in Environmental Economics for the MPhil course in Environmental Management at University of Cape Town from 1990 –2006.
- Guest lecturer in SIA, EIA and SEA for MPhil course in Environmental Management at UCT, 2000-2004.
- Coordinator and lecturer in Environmental Economics at Cape Technikon, 1999.
- Coordinator and lecturer of waste management course, Peninsula Technikon in 1998.
- Guest lecturer at Peninsula Technikon for waste management, 1994 – 1998.
- Moderator for Peninsula Technikon waste management course, 1994-2002.
- Environmental Management for senior managers, module on a business management course for AngloVaal Management run by Prof John Simpson of UCT, 2000 and 2001.
- Guest lecturer on SIA and EIA for Geography and Environmental Science Honours, UCT, 2000-2004.
- Presenter and coordinator on annual Integrated Environmental Management Short Course run by the Environmental Evaluation Unit at UCT (2000-2006).
- Presenter on Integrated Coastal Management course run by Environmental Evaluation Unit at UCT 2005-2006.

### **PUBLIC PARTICIPATION**

Experience includes designing public participation processes and facilitating public meetings and workshops. Projects include:

- SEA for Wellington Industrial Area, managed and facilitated public meetings and workshops (2014).
- Green Point Common, Cape Town. Public participation and facilitation processes for development of new market area for informal traders (2005);
- Chapman's Peak Drive. Managed and facilitated the public participation processes for looking at the technical and funding options for re-opening Chapman's Peak Drive on the Cape Peninsula as a toll road (2001).
- Visserhok Hazardous waste disposal sites, Cape Town City Council and Wastetech, Cape Town, SA. Managed and facilitated the public participation processes for the permit application for two hazardous waste sites located at Visserhok (1994).
- Grand West Casino, Cape Town. Public participation processes for proposed establishment of the Grand West Casino at the Cape Show Grounds, Cape Town (1997).
- Coastal Park waste site, Cape Town, SA. Managed and facilitated public participation processes for the permit application for the Coastal Park general waste site (1998).

- Managed and facilitated public participation processes associated with EIA's listed above.

#### **ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION REPORTS**

- Development of rehabilitation programme and cost estimate for damage caused by 80 years of alluvial diamond mining between Alexander Bay and Port Nolloth, West Coast, South Africa (current). This project is linked to the Richtersveld Land Claim and involved acting as an expert witness in the associated court case.
- Corridor Sands Heavy Mineral Project, Mozambique. Development of an Environmental Management Plan (EMP) for the construction phase of the project (2001).
- Walvis Bay Naval facilities, Walvis Bay, Namibia. EMP for the construction phase of the project (2001).
- APC cement factory, Otjiwarongo, Namibia. Operational management plan for up-grade to meet the legislative requirements (2000).
- Sparrebosch golf course, hotel and residential development, Knysna, SA. Environmental Management Plan (EMP) for the construction phase (1997).
- M3 highway up-grade, Johannesburg, SA. EMP for the design and construction phase of the M3 (1995).
- Trunk Road 46, Grahamstown-Port Alfred, Eastern Cape, SA. EMP for the construction phase (1994).
- Trunk Road 46, Grahamstown to Port Alfred, Eastern Cape, SA. Rehabilitation proposals for borrow pits, quarries, cuts, fills and road surfaces (1993).
- Trunk Road 19, Maclear to Halcyon Drift, Eastern Cape, SA. Rehabilitation proposals for borrow pits and quarries (1992).
- Namakwa Sands, Heavy Mineral Mining Operation, West Coast SA. Conceptual Rehabilitation Plan (1991).

#### **ENVIRONMENTAL MANAGEMENT SYSTEMS AND AUDITS**

- APC Cement Factory, Otjiwarongo, Namibia. Operational audit of APC cement factory to assess compliance with Namibian legislation (2000).
- Vodacom, SA. Conceptual Development of an Environmental Policy and outline for an Environmental Management System for Vodacom, SA (1998).
- Marine Oil, SA, initial site audit (1999).
- Rose Foundation, SA. Audit of 15 waste oil-recycling facilities in SA (1997).
- Zambian Copper Belt, Zambia. Pre-acquisition audit of 20 electrical transformer stations (1997).

#### **SUPERVISION OF STUDENTS**

- 1994-2006: Supervision of the thesis component of MPhil in Environmental Management for a number of students. Usually requested to act as supervisor for at least one or two students per year.
- Internal and external examiner for a number of theses submitted in fulfillment of the MPhil Environmental Management at UCT.

#### **PUBLICATIONS AND PAPERS**

##### ***Environmental publications and guidelines***

- Principal Author of Health, Safety and Environmental Guidelines for Bitumen and Coal Tar Products, prepared for the SA Bitumen Association (Sabita), in 1994 and revised in 1998.
- Co-author of document outlining an integrated Waste Management Strategy for the Western Cape, SA, produced in 1995;
- Principal Author of Guidelines for Waste Management in South Africa, a handbook for local authorities, produced by Ninham Shand in 1993.



### **Papers and articles**

The majority of the articles aimed at the layperson as opposed to journal articles.

1. SOWMAN, M R, GLAZEWSKI, J I, FUGGLE, R F, BARBOUR, A (1990) "Planning and legal responses to sea-level rise in South Africa", *South African Journal of Science*, v 86, 1990.
2. BARBOUR, T (1992) "Addressing the social impacts of waste disposal by incorporating permit applications into the latest Integrated Environmental Management (IEM) procedures", Paper presented at Wastecon '92, 3 – 5 November 1992.
3. BARBOUR, T (1992) "Internalising externalities: An attempt to address social costs", paper presented at a workshop on the Economy and Environment, 25 November 1992.
4. BARBOUR, T (1993) "The importance of taking waste disposal seriously", *IMIESA*, v 18 no 7 July 1993.
5. BARBOUR, T (1993) "Community based waste collection", *Earthyear* 5<sup>th</sup> edition, winter 1993.
6. BARBOUR, T (1993) "Guidelines for waste management in South Africa", *Ninham Shand*, 1993.
7. BARBOUR, T (1994) "Quarry Rehabilitation Reports: Are they effective working documents or merely legal requirements?", *EPM*, v 5, no 2, February 1994.
8. BARBOUR, T (1994) "Environmental factors relating to site selection for dams", Paper presented at SAICE one-day seminar on earth dam design, 3 June 1994.
9. BARBOUR, T (1994) "Environmental Economics", *Earthyear* 7<sup>th</sup> edition, Summer 1994.
10. BARBOUR, T (1996) "Lessons learnt from Vissershok for public participation and landuse planning", Paper presented at Wastecon 96, Durban, South Africa.
11. BARBOUR, T and COLEMAN, A (1996) "Towards an integrated waste management strategy for the Western Cape", Paper presented at Wastecon 96, Durban, South Africa.
12. BARBOUR, T (1998) Strategic Environmental Assessment of the Cape Town 2004 Olympic Bid", paper presented at IAIA 98, Christchurch, New Zealand.
13. BARBOUR, T (2000) Robertson Waste Site: A Case Study, paper presented at Wastecon 2000, Somerset West, SA.
14. BARBOUR, T (2000) National Environmental Management Act: Implications for Waste Management and the Minimum Requirements, paper presented at Wastecon 2000, Somerset West, SA.
15. BARBOUR, T (2001). The role of economic incentives in promoting and/or improving environmental rights. Paper presented a Conference on Environmental Rights, Cape Town, 30 July 2001.
16. BARBOUR, T (2002). The role of environmental assessments in land-use planning. Paper presented at Southern African Town Planning Conference, Somerset West, 18-19 March 2002.
17. BARBOUR, T (2002). Incorporating principles of environmental sustainability into policy making. Conference on Environmental Practices for the 21<sup>st</sup> Century, Somerset West, 24-25 May, 2002.
18. BARBOUR, T and Brownlie, S (2002). Have mandatory environmental impact assessments improved decision-making in South Africa, and are they making a significant contribution to sustainable development? International Association for Impact Assessment (SA), National Conference, 7-9 October 2002.
19. Barbour, T (2003). Developing and evaluating effective strategies for managing hazardous materials and wastes. Paper prepared for Chemical and Toxic Waste Management Conference Park Hyatt, Rosebank, Johannesburg, February 2003.
20. Barbour T (2004). Incorporating Sustainable Development considerations in to the IDP process. Paper prepared for conference on Environmental Management for Local Government, Johannesburg, June 2004.
21. THESIS TOPIC "Quarry Rehabilitation: The need to adopt a pre-planning approach towards rehabilitation (MSc Environmental Science)." An important component of the study was the development of a Rehabilitation Programme and Rehabilitation checklist to assist those involved in carrying out rehabilitation work.



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

|                        | (For official use only) |
|------------------------|-------------------------|
| File Reference Number: | 12/12/20/ or 12/9/11/L  |
| NEAS Reference Number: | DEA/EIA                 |
| Date Received:         |                         |

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCES, SOUTH AFRICA.

|                                      |   |       |                  |
|--------------------------------------|---|-------|------------------|
| Specialist:                          | Dr John Edward Almond   |       |                  |
| Contact person:                      | As above  |       |                  |
| Postal address:                      | PO Box 12410 Mill Street, Cape Town, RSA  |       |                  |
| Postal code:                         | 8001  | Cell: | 071 947 0577     |
| Telephone:                           | 021 462 3622  |       | n/a              |
| E-mail:                              | almond@universe.co.za   |       |                  |
| Professional affiliation(s) (if any) | Palaeontological Society of Southern Africa, Association of Professional Heritage Practitioners, Geological Society of SA |       |                  |
| Project Consultant:                  | EOH Coastal & Environmental Services  |       |                  |
| Contact person:                      | Marc Hardy (Environmental Assessment Practitioner)  |       |                  |
| Postal address:                      | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point.   |       |                  |
| Postal code:                         | 8005  | Cell: | /                |
| Telephone:                           | 021 045 0900  | Fax:  | +27 (0)466226564 |
| E-mail:                              | m.hardy@cesnet.co.za  |       |                  |



4.2 The specialist appointed in terms of the Regulations\_

I, Dr. John Edward Almond, declare that – General

declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.

Signature of the specialist:

*John E. Almond*

Name of company (if applicable):

NATURA VIVA CC

Date:

4 May 2016

## ***Curriculum Vitae***

### **JOHN E. ALMOND Ph.D. (Cantab)**

***Natura Viva cc, PO Box 12410 Mill Street, CAPE TOWN 8010, RSA  
tel: (021) 462 3622 e-mail: naturaviva@universe.co.za***

- **Honours Degree in Natural Sciences (Zoology)**, University of Cambridge, UK (1980).
- **PhD in Earth Sciences (Palaeontology)**, University of Cambridge, UK (1986).
- **Post-doctoral Research Fellowships** at University of Cambridge, UK and Tübingen University, Germany (Humboldt Research Fellow).
- **Visiting Scientist** at various research institutions in Europe, North America, South Africa and fieldwork experience in all these areas, as well as in North Africa.
- **Scientific Officer, Council for Geoscience, RSA** (1990-1998) – palaeontological research and fieldwork – especially in western RSA and Namibia.
- **Managing Member, *Natura Viva cc*** – a Cape Town-based company specialising in broad-based natural history education, tourism and research – especially in the Arid West of Southern Africa (2000 onwards). *Natura Viva cc* produces **technical reports** on palaeontology, geology, botany and other aspects of natural history for public and private nature reserves.
- **Current palaeontological research** focuses on fossil record of the Precambrian / Cambrian boundary (especially trace fossils), and the Cape Supergroup of South Africa.
- **Registered Field Guide for South Africa and Namibia**
- **Member of the A-team, Botanical Society of SA** (Kirstenbosch Branch) – involved in teaching and training leaders for botanical excursions. Invited leader of annual Botanical Society excursions (Kirstenbosch Branch) to Little Karoo, Cederberg, Namaqualand and other areas since 2005.
- **Professional training of Western and Eastern Cape Field Guides** (FGASA Level 1 & 2, in conjunction with *The Gloriosa Nature Company*) and of Tourist Guides in various aspects of natural history.
- Involved in **extra-mural teaching in natural history** since the early 1980s. Extensive experience in **public lecturing**, running **intensive courses** and leading **field excursions for professional academics as well as enthusiastic amateurs** (e.g. Geological Society / Archaeological Society / Friends of the SA Museum / Cape Natural History Club / Mineral Club / Botanical Society of South Africa / SA Museum Summer & Winter School Programmes / UCT Summer School)
- **Development of palaeontological teaching materials** (textbooks, teachers guides, palaeontological displays) and **teacher training** for the new school science curriculum (GET, FET).
- Former long-standing member of **Archaeology, Palaeontology and Meteorites Committee for Heritage Western Cape (HWC)**. Advisor on palaeontological conservation and management issues for the Palaeontological Society of South Africa (PSSA), HWC and SAHRA (including APM Permit Committee at HWC). Compilation of **technical reports on provincial palaeontological heritage of Western, Northern and Eastern Cape** for SAHRA and HWC. Accredited member of PSSA and APHP (Association of Professional Heritage Practitioners, Western Cape).
- **Palaeontological impact assessments for developments in the Western Cape, Eastern Cape, Northern Cape, Free State, Northwest Province, Mpumalanga, Gauteng.**

John E. Almond (2013)

***Natura Viva cc***

- Several hundred **palaeontological heritage desktop studies and field assessments** completed over the past few years. Examples of recent larger projects include:
  - (1) Several major alternative energy projects (wind / solar) in the Prieska, De Aar, Sutherland and Cookhouse / Middleton areas (N. Cape, E. Cape)
  - (2) Palaeontological heritage survey of the Coega IDZ (E. Cape)
  - (3) On-going survey of borrow pits in the Western Cape
  - (4) Palaeontological heritage assessments for the Transnet 16 mtpa railway development, Hotazel to Coega IDZ (N. Cape, E. Cape)
  - (5) Eskom transmission line developments such as Gamma-Omega and Gamma Perseus projects (N. Cape, W. Cape, Free State)
  - (6) Mining exploration studies on the Great Karoo
  - (7) Strategic Environmental Assessment Specialist Report – Heritage (palaeontological component) For National Wind and Solar PV, Shale Gas in the Karoo, Square Kilometre Array
- **Reviews of fossil heritage** related to new 1: 250 000 geological maps published by the Council for Geoscience (Geological Survey of SA) – e.g. Clarwilliam, Loeriesfontein, Alexander Bay sheets.



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

|                        |                         |
|------------------------|-------------------------|
|                        | (For official use only) |
| File Reference Number: | 12/12/20/ or 12/9/11/L  |
| NEAS Reference Number: | DEA/EIA                 |
| Date Received:         |                         |

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED DEVELOPMENT OF THE 140 MW RIETKLOOF WIND ENERGY FACILITY, IN THE WESTERN CAPE PROVINCES, SOUTH AFRICA.

|                                      |                                   |                   |
|--------------------------------------|-----------------------------------|-------------------|
| Specialist:                          | Thomas King <i>Pr. No. 6. Sci</i> |                   |
| Contact person:                      | Thomas King                       |                   |
| Postal address:                      | PO Box 934, Grahamstown           |                   |
| Postal code:                         | 6140                              | Cell:             |
| Telephone:                           | 046 622 2364                      | Fax: 046 622 6564 |
| E-mail:                              | t.king@cesnet.co.za               |                   |
| Professional affiliation(s) (if any) | SACNASP                           |                   |

|                     |   |                       |
|---------------------|---|-----------------------|
| Project Consultant: | EOH Coastal & Environmental Services                                    |                       |
| Contact person:     | Marc Hardy (Environmental Assessment Practitioner)                      |                       |
| Postal address:     | The Point, Suite 408, 4 <sup>th</sup> Floor, 76 Regent Road, Sea Point. |                       |
| Postal code:        | 8005  | Cell:                 |
| Telephone:          | 021 045 0900  | Fax: +27 (0)466226564 |
| E-mail:             | m.hardy@cesnet.co.za  |                       |

4.2 The specialist appointed in terms of the Regulations.

I, Thomas King, declare that --

General declaration:

I act as the 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;  
I declare that 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 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 24F of the Act.

TK  
Signature of the specialist:

Coastal and Environmental Services

Name of company (if applicable):

11 April 2016

Date:

## **THOMAS KING**

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Date of Birth: 13-10-1987

### **QUALIFICATIONS**

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- BSc Honours Biodiversity and Conservation (Rhodes University)
- BSc Zoology (University of Pretoria)

### **MEMBERSHIP**

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- South African Council for Natural Scientific Professions (Candidate Environmental Scientist)
- Ron Burgundy Appreciation Society

### **PROFESSIONAL EXPERIENCE**

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January 2006 – December 2006: Field assistant (Remote Exploration Services)

January 2011 – April 2011: GIS technician (Conservation Support Services)

April 2011 – Present: Environmental consultant (Coastal & Environmental Services)

### **CONSULTING EXPERIENCE**

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Environmental consulting experience as a project manager, report writing and GIS manager for various development types. Specific experience includes the following:

#### Forestry

Lurio Green Resources Forestry Environmental and Social Impact Assessment.  
Niassa Plantation Environmental and Social Impact Assessment.  
Equatorial Palm Oil Liberia Environmental, Social and Health Impact Assessment.  
Ugandan Palm Oil Environmental and Social Impact Assessment.

#### Renewable energy

EIA for Richards Bay Wind Energy Project, EAB Astrum Energy  
EIA for Hluhluwe Wind Energy Project, Kimocode (Pty) Ltd  
EIA for Plan 8 Wind Energy Project, Infinite Plan 8  
EIA for St Lucia Wind Farm, St Lucia Wind Farms (Pty) Ltd  
EIA for Coega Wind Farm, InnoWind (Pty) Ltd  
EIA for Brakkefontein Wind Farm, Terra Power Solutions

#### Agriculture and waste management

Basic environmental assessment for the development of a chicken rearing facility in the Paterson district of the Eastern Cape, Eco Pullets (Pty) Ltd.

#### Mining

Pre-feasibility risk assessment for the development of a heavy minerals mine on the West Coast of South Africa, Zirco Resources (Pty) Ltd.  
Environmental Control Officer for the Kenmare Heavy Mineral Mine, Nampula Province, Mozambique.

### **SPECIALIST ASSESSMENTS**

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Visual Impact Assessment for the Syrah Resources Graphite Mine, Cabo Delgado, Mozambique. Completed: August, 2013.

Visual Impact Assessment for the Zirco Roode-Heuwel Mine in the Northern Cape of South Africa. Completed: March, 2014.

## **RESEARCH & TEACHING EXPERIENCE**

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I have completed a study on the rate at which Sub-tropical Thicket (an Eastern Cape vegetation type) recovers after heavy grazing by ostriches. This study was done as part of my honours degree at Rhodes University.