

**CURRICULUM VITAE**  
**JO-ANNE THOMAS**

Profession : Environmental Consultant  
Specialisation : Environmental Management; Strategic environmental advice;  
Environmental compliance advice & monitoring; Environmental Impact Assessments; Policy, strategy & guideline formulation; Project Management; General Ecology  
Years experience : Sixteen (16) years in the environmental field

**KEY RESPONSIBILITIES**

Provide technical input for projects in the environmental management field, specialising in Strategic Environmental Advice, Environmental Impact Assessment studies, environmental permitting, public participation, Environmental Management Plans and Programmes, environmental policy, strategy and guideline formulation, and integrated environmental management. Key focus on integration of the specialist environmental studies and findings into larger engineering-based projects, strategic assessment, and providing practical and achievable environmental management solutions and mitigation measures. Responsibilities for environmental studies include project management; review and manipulation of data; identification and assessment of potential negative environmental impacts and benefits; review of specialist studies; and the identification of mitigation measures. Compilation of the reports for environmental studies is in accordance with all relevant environmental legislation.

Undertaking of numerous environmental management studies has resulted in a good working knowledge of environmental legislation and policy requirements. Recent projects have been undertaken for both the public- and private-sector, including compliance advice and monitoring, electricity generation and transmission projects, various types of linear developments (such as National Road, local roads and power lines), waste management projects (landfills), mining rights and permits, policy, strategy and guideline development, as well as general environmental planning, development and management.

**SKILLS BASE AND CORE COMPETENCIES**

- Project management for a range of projects
- Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data and specialist studies
- Identification of practical and achievable mitigation and management measures and the development of appropriate management plans
- Compilation of environmental reports in accordance with relevant environmental legislative requirements
- External and peer review of environmental reports & compliance advice and monitoring
- Formulation of environmental policies, strategies and guidelines
- Strategic and regional assessments; pre-feasibility & site selection
- Public participation processes for a variety of projects
- Strategic environmental advice to a wide variety of clients both in the public and private sectors
- Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation

## **EDUCATION AND PROFESSIONAL STATUS**

### **Degrees:**

B.Sc Earth Sciences, *University of the Witwatersrand, Johannesburg*, 1993

B.Sc Honours in Botany, *University of the Witwatersrand, Johannesburg*, 1994

M.Sc in Botany, *University of the Witwatersrand, Johannesburg*, 1996

### **Courses:**

Environmental Impact Assessment, *Potchefstroom University*, 1998

Environmental Law, *Morgan University*, 2001

### **Professional Society Affiliations:**

Professional Natural Scientist (Registration No 400024/00).

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## **EMPLOYMENT**

*Current:* Director of Savannah Environmental (Pty) Ltd. Independent specialist environmental consultant

*October 1997-November 2005:* Bohlweki Environmental (Pty) Ltd: Senior Environmental Scientist; Environmental Management and Project Management

*January to July 1997:* Junior Science Teacher, Sutherland High School, Pretoria

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## **PROJECT EXPERIENCE**

Current projects include:

### **Compliance Advice and Due Diligence**

- First annual Environmental and Social Monitoring Report for the Upington Airport 10MW PV Plant, Northern Cape Province
- Compliance advice for Financial Close of the Ilanga CSP Facility, Northern Cape Province
- Compliance advice for Financial Close of West Coast One Wind Energy Facility, Western Cape Province
- Compliance advice for Financial Close of Tsitsikamma Wind Energy Facility, Eastern Cape Province
- Compliance advice for Financial Close of Upington Solar Facility, Northern Cape Province
- Environmental Due Diligence of a wind energy facility in the Western Cape on behalf of EDPR Renewables
- Environmental Due Diligence of a wind energy facility on the West Coast of the Western Cape on behalf of ILF&S

### **Compliance Monitoring**

- Project manager and auditor - ECO compliance monitoring for the construction of the De Hoop Dam and the deviation of the R555, Limpopo Province
- Project manager – ECO compliance at Kathu Solar Energy Facility, Northern Cape Province
- Project manager – ECO compliance at West Coast One Wind Energy Facility, Western Cape Province

- Project manager – ECO compliance at Sishen Solar Energy Facility, Northern Cape Province
- Project manager – ECO compliance monitoring for the expansion of Waterval WCW, Gauteng Province
- Project manager - ECO compliance monitoring for the Mine Water Recovery Project at Duvha Power Station, Mpumalanga Province
- Project manager – ECO compliance at Dorper Wind Energy Facility, Eastern Cape Province
- Project manager – ECO compliance monitoring for the !Kha CSP Facility near Upington, Northern Cape
- Project manager – ECO compliance at Gouda Energy Facility, West Coast Province
- Project manager – ECO compliance monitoring for the KaXu! CSP facility near Pofadder, Northern Cape
- Project manager – ECO compliance monitoring for the Upington Airport PV facility at Upington, Northern Cape Province
- Project manager – ECO compliance at RustMo1 Solar Energy Facility, North West Province
- Project manager – Environmental Officers for Gamma-Kappa 765kV power line between Laingsburg and Beaufort West, Western Cape
- Project manager – ECO compliance monitoring for the rehabilitation of Blaauwpan Dam, Gauteng Province

***Electricity Sector Projects: Coal-fired Power Stations***

- Project manager for the EIA undertaken for the proposed Independent power Producer (IPP) Coal-fired Power Station and associated infrastructure near Lephalale within the Waterberg District Municipality of the Limpopo Province
- Project manager for the EIA undertaken for the proposed Umbani Coal-fired Power Station and associated infrastructure near Kriel, Mpumalanga Province
- Project manager for the EIA undertaken for the proposed Ruukki Coal-fired Power Station and associated infrastructure near Ogies, Mpumalanga Province

***Electricity Sector Projects: Wind Energy***

- Project manager for the EIA undertaken for the proposed EXXARO West Coast wind energy facility and associated infrastructure at a site within the Western Cape (for EXXARO Resources)
- Project manager for the EIA undertaken for the proposed Oyster Bay wind energy facility, Eastern Cape Province (for Renewable Energy Resources Southern Africa)
- Project manager for the EIA undertaken for the proposed Spitskop Bay wind energy facility, Eastern Cape Province (for Renewable Energy Resources Southern Africa)
- EIA and EMP for the proposed wind energy facility and associated infrastructure at a site within the Western Cape (for Eskom Generation)
- EIA and EMP for the proposed wind energy facility and associated infrastructure at a site near Hopefield, Western Cape Province (for Umoya Energy)
- Project manager for the proposed Klipheuwel/Dassiesfontein wind energy facility and associated infrastructure at a site within the Overberg area of the Western Cape (for BioTherm Energy)
- Project manager for the proposed Suurplaat wind energy facility and associated infrastructure at a site within the Western Cape (for Moyeng Energy)
- Project manager for the proposed West Coast One wind energy facility and associated infrastructure at a site within the Western Cape (for Moyeng Energy)
- Project manager for the proposed Rhebokfontein wind energy facility and associated infrastructure at a site within the Western Cape (for Moyeng Energy)

- Basic Assessment for proposed wind monitoring masts on a site north of Koekenaap, Western Cape Province (for EXXARO Resources)
- Basic Assessment for proposed wind monitoring masts on a site in the Overberg area, Western Cape Province (for BioTherm Energy)
- Basic Assessment for proposed wind monitoring masts on a site near Beaufort West, Western Cape Province (for Umoya Energy)
- Basic Assessment for proposed wind monitoring masts on a site near Laingsburg, Western Cape Province (for Umoya Energy)

***Electricity Sector Projects: Solar Energy***

- Project manager for the EIA and EMP for two PV sites within the Western and Northern Cape Provinces (for INCA Energy)
- Project manager for the Basic Assessment and EMP for PV site within the Northern Cape Province (for INCA Energy)
- Project manager for the Basic Assessment and EMP for a PV site near Rustenburg, North-West Province (for Momentous Energy) Project manager for the EIA and EMP for the proposed Project Ilanga (125MW CSP facility) near Upington, Northern Cape Province (for Ilangethu Energy)
- Project manager for the EIA and EMP for two PV sites within the Northern Cape Province (for MedEnergy Global)
- Project manager for the Basic Assessment and EMP for PV sites within 4 ACSA airports within South Africa (for ACSA PV)
- Project manager for the EIA and EMP for the proposed Waterberg PV plant, Limpopo Province (for Thupela Energy)

***Electricity Sector Projects: Eskom***

- Project manager for the EIA and EMP for the proposed Mokopane Integration Project, Limpopo Province (for Eskom Transmission)
- Project manager for the proposed transmission lines from the Koeberg-2 Nuclear Power Station site, Western Cape Province (for Eskom Transmission)
- Project manager for the proposed Tshwane strengthening project, Phase 1, Gauteng Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed Kyalami Strengthening Project, Gauteng Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed Steelpoort Integration Project, Limpopo Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed conversion of the existing Open Cycle Gas Turbine (OCGT) Ankerlig Power Station (located in Atlantis Industria) to a Combined Cycle Gas Turbine (CCGT) power station, and the associated 400 kV transmission power line between Ankerlig Power Station and the Omega Substation (for Eskom Generation)
- Project manager for the EIA and EMP for the proposed conversion of the existing Open Cycle Gas Turbine (OCGT) Gourikwa Power Station (located near Mossel Bay) to a Combined Cycle Gas Turbine (CCGT) power station, and the associated 400 kV transmission power line between Gourikwa Power Station and the Proteus Substation (for Eskom Generation)

***Strategic and Regional Assessments***

- Strategic Assessment for the location of wind energy facilities within the Western Cape Province (for Western Cape Department of Environmental Affairs and Development Planning)
- Regional Assessment for wind energy developments within an identified area on the West Coast of the Western Cape Province (for Investec Bank Limited)

- Regional Assessment for wind energy developments within an identified area on the West Coast of the Western Cape Province (for Eskom Holdings Limited)
- Regional Assessments for wind energy developments within identified areas in the Overberg Area of the Western Cape Province (for BioTherm Energy)
- Regional Assessment for wind energy developments within an identified area in the Sutherland Area of the Northern and Western Cape Province (for Investec Bank Limited)

### ***Environmental Management Tools***

- Review the effectiveness and efficiency of the environmental impact management (EIA) system in South Africa on behalf of the Department of Environmental Affairs and Tourism
- Development of a comprehensive site-specific EMP for the construction and operation of the Eskom Braamhoek Integration Project, Free State and KwaZulu-Natal Provinces
- Compilation of Provincial Guidelines for off-road routes within the Western Cape Province
- Environmental Risk Analysis for Salbro Property Holdings, Gauteng Province
- Water use permit applications for water use at Tiffindell Ski Resort, Eastern Cape Province
- Water use permit applications for various properties within the Olifants West Game Reserve, Limpopo Province
- Project integration and compilation of a Strategy for Sustainable Development for Gauteng Province
- Advice regarding environmental compliance of existing and future development at Tiffindell Ski, Eastern Cape Province
- Advice regarding environmental compliance at Salberg factory, Gauteng Province

### ***Peer Review***

- Review of EIAs submitted in terms of the ECA for the Northern Cape Department of Tourism, Environment and Conservation, including:
  - \* EIA for a new wastewater treatment works in Warrenton
  - \* EIA for chicken layer houses in Kimberley
  - \* EIAs for the upgrading of petrol stations in Kimberley
  - \* EIA for a new up-market residential development in Kathu
  - \* EIA for residential development in Kimberley
- Review of EIA and EMP for the proposed Waterfall Wedge development, Gauteng Province

### ***Infrastructure Projects***

- Project manager for the EIA and EMP for the proposed bridge across the Ngotwane River located on the border of South Africa and Botswana

### ***Mining Sector Projects***

- Amendment of Environmental Management Programme for the Waterberg Colliery near Lephalale, Limpopo Province
- Amendment of EMPR for Grootegeluk Coal Mine near Lephalale, Limpopo Province, to include coal transportation infrastructure between the mine and Medupi Power Station
- Environmental Impact Assessment and Environmental Management Programme in terms of the MPRDA for the proposed Elitheni Coal Mine near Indwe, Eastern Cape Province
- Environmental Management Programmes for three borrow pits associated with the proposed Groot Letaba River Development Project, Limpopo Province

### ***Water resources projects***

- Project manager for the EIA and EMP for the proposed modification of the existing Hartebeestfontein Water Care Works, Gauteng Province (for ERWAT)
- Project manager for the EIA and EMP for the proposed expansion of the existing Welgedacht Water Care Works, Gauteng Province (for ERWAT)

### **Projects undertaken on behalf of Bohlweki Environmental include:**

#### ***Specialist projects***

- Development of an Environmental Policy for the Ekurhuleni Metropolitan Municipality
- Development of an Integrated Environmental Policy for the City of Tshwane Metropolitan Municipality Environmental Opportunities and Constraints Assessment for the Wonderboom Airport

Review of the State of the Environment Report for the North West Province

#### ***Transport sector projects***

- Environmental Impact Assessment for the proposed Platinum Highway from Warmbaths via Pretoria to Skilpadhek (on the South Africa-Botswana border), including obtaining all environmental permits required.
- Environmental input to the Ekurhuleni transportation corridors study
- Environmental input to the Denneboom Local Integrated Transport Plan
- Environmental Impact Assessment and Environmental Management Plan for the proposed N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal)
- Environmental Scoping Study and public participation process for the upgrading of Provincial Main Road 100 between the intersection with Main Road 521 and Ndwedwe
- Environmental Management Plan for repairs of portions of the N3 and N1, Gauteng
- Environmental Scoping Study and public participation process for the Kingsway Relief Road in Maseru, Lesotho

#### ***Electricity Sector projects***

- Project manager for the undertaking of an EIA and compilation of an EMP for the proposed Open Cycle Gas Turbine (OCGT) Power Station and associated 400 kV Transmission lines and substation at Atlantis, Western Cape Province
- Environmental Scoping Study for a new coal-fired power station in the Lephalale area, Limpopo Province
- Project manager for the undertaking of Environmental Scoping Study and compilation of an Environmental Management Plan for various 132 kV Sub-Transmission lines and substations within the Mpumalanga Province
- Detailed Environmental Scoping Study and public participation for the proposed Capacity Increase Project at Arnot Power Station, Mpumalanga Province
- Project manager for the undertaking of an Environmental Scoping Study and EMP for the proposed 132 kV sub-Transmission line between the GaRankuwa and Dinaledi substations, North West Province
- Project manager for the undertaking of an EIA for the proposed 765 kV Transmission line between the existing Hydra Substation (near De Aar) and the proposed Gamma Substation (near Victoria West), Northern Cape Province
- EIA & public participation for the proposed 3<sup>rd</sup> 400 kV Transmission line between the Poseidon and Grassridge Substations in the Eastern Cape Province

- EIA & public participation for the proposed new 400 kV Transmission line between Matimba Substation (near Lephalale) and Witkop Substation (near Polokwane), Limpopo Province
- EIA & public participation for the proposed new Ikaros Substation and associated 400 kV Transmission line infrastructure, North West Province
- Environmental Scoping Study public participation for the Establishment of Eskom Infrastructure for Power Supply to the C-Cut Development at Premier Mine, Cullinan, Gauteng Province
- Environmental Impact Study and public participation for the proposed 2<sup>nd</sup> 400 kV Transmission line between the Grassridge Substation and the Poseidon Substation in the Eastern Cape.
- Public Participation Process for the proposed Return-to-Service of the Camden Power Station, Mpumalanga Province
- Detailed Environmental Scoping Study and public participation for the Breyten Strengthening Project: proposed new Breyten Substation and associated 88 kV Distribution line, Mpumalanga Province
- Environmental Pre-Scoping Study for the proposed Concentrating Solar Plant, in the Northern Cape Province
- Environmental Impact Assessment public participation for the proposed new nine 132 kV power lines between the Grassridge Substation and the Coega Industrial Development Zone, Eastern Cape Province

### ***Pipelines***

- Environmental Impact Assessment for the proposed Petronet New Multi-Products Pipeline (NMPP) between Durban and Gauteng Province
- Exemption application for the construction of a gas pipeline between Majuba Mine and Majuba Power Station, Mpumalanga Province.
- Exemption application for the construction of an emergency water supply pipeline from Mamelodi to Ekandustria via Cullinan, Gauteng Province.
- Environmental Scoping Study for the installation of a new water supply pipeline from Centurion to Diepsloot, Gauteng Province.

### ***EIAs for Technology projects***

- Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at Alpha's ULCO Plant near Kimberley in the Northern Cape Province
- Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at Dudfield Plant, North West Province
- Environmental Impact Assessment for the proposed Blending Platform to be established within the Gauteng Province
- Investigation of possible alternative Scrap tyre collection and disposal strategies in Gauteng, South Africa

### ***Mining sector projects***

- Environmental Management Programme Report (EMPR) for the proposed small-scale kaolin clay mine near Ndwedwe, KwaZulu-Natal Province
- Environmental Management Programme Report (EMPR) for prospecting activities within the Premier Mine Game Farm, Cullinan for De Beers Consolidated Mines Limited
- Environmental Management Plan for the Proposed C-Cut Development at Premier Mine, Cullinan
- Environmental Management Programme Report for the Proposed C-Cut Development at Premier Mine, Cullinan
- Environmental Impact Assessment and public participation process for the Proposed C-Cut Development at Premier Mine, Cullinan

***Development projects***

- A detailed Environmental Scoping Study and public participation process for the Thaba ya Batswana Development on portions of the Farm Rietvlei 101 IR, Gauteng
- Environmental Scoping Report and public participation process for the development of a Community Safety Centre in Khutsong-South, Carletonville

***Water resources projects***

- A detailed Environmental Impact Assessment of new regional water care infrastructure in the DD5A sub-drainage district in Eastern Gauteng (adjacent to the Blesbokspruit Ramsar Site) for the East Rand Water Care Company (ERWAT)

**CURRICULUM VITAE**  
**TEBOGO MAPINGA**

Profession : Senior Environmental Consultant for Savannah Environmental Consultants  
Specialisation : Environmental Management  
Years of experience : 8 years

**KEY RESPONSIBILITIES**

- Project Management and client liaison;
- Report writing and review;
- Compliance monitoring and audit reporting;
- Development of Proposals; and
- Staff monitoring.

**SKILLS BASE AND CORE COMPETENCIES**

- Report Writing, drafting proposals and tenders;
- Negotiating skill;
- Problem solving;
- Financial management and marketing;
- Understanding of all Environmental Legislation (NEMA, NEM:BA, NEM:WA, NEM:AQA, NEM:PAA, etc) and all other relevant legislation;
- Ability to work independently and in a team;
- Verbal, written and good presentation skills;
- Time management and workload management;
- Facilitation skills; and
- Organizational, planning and analytic skills.

**EDUCATION AND PROFESSIONAL STATUS**

**Degrees:**

- *Bsc Degree: The University of Limpopo, 2006; and*
- *Honours in Environmental Management: University of South Africa (in progress).*

**Courses:**

- Computer Literacy Course: University of Limpopo, 2005; and
- Environmental Impact Assessment Training: University of Pretoria, 2012.

**Professional Society Affiliations:**

- **N/A**

**EMPLOYMENT HISTORY**

**Environmental Practitioner/ Project Manager: Phaki Phakanani Environmental Consultants (January 2007 - March 2008) Tasks include:**

- Training of junior staff;
- Client Liaison;

- Project co-ordination and facilitation;
- Managing specialists;
- Report writing and presentations;
- Compiling Environmental Impact Assessment Reports (Basic and Scoping/EIA Report); and
- Facilitating the Public Participation Process.

**Environmental Manager: SEF ( 1 April 2008 – 30 February 2009 ) Tasks include:**

- Compilation of Environmental Scoping Reports, Plan of Study, Environmental Impact Assessments, Basic Assessments and Environmental management plans;
- Co-ordination of the public participation process;
- Project management, including specialists and other team members;
- Development of terms of reference, project proposals and tenders; and
- Client liaison.

**Environmental Project Manager: SEF (1 March 2009 until 31 April 2010) Tasks include:**

- Compilation of Environmental Scoping Reports, Plan of Study, Environmental Impact Assessments, Basic Assessments and Environmental management plans;
- Co-ordination of the public participation process;
- Project management, including specialists and other team members;
- Development of terms of reference, project proposals and tenders;
- Client liaison;
- Marketing; and
- Financial Management of projects.

**Environmental Officer Specialist production: Department of Environmental Affairs (1 April 2010 until 1 June 2013) Tasks include:**

- Process EIA applications submitted to DEA within the stipulated legislated time frames;
- Implement the SID and ERP EIA guideline;
- Provide technical input into Appeal Response Report's (ARR's);
- Support Regulatory Services with compliance monitoring and enforcement;
- Implement DEA and Public Entity EIA forums; and
- Provide technical input into CD: IEA correspondence.

**Environmental Scientist: GIBB Engineering and Science (Mega Projects) (1 June 2013- 31 March 2014) Tasks include:**

- Re-writing the Revised Draft EIR Version 2 Eskom Nuclear-1 EIA; and
- Liaison with the client and specialists.

## **PROJECT EXPERIENCE**

### **ENVIRONMENTAL IMPACT ASSESSMENTS AND PUBLIC PARTICIPATION**

- Wesley Peddie Power Line Basic Assessment (2015)
- Pofadder Wind and Solar Energy Facilities (2014-2015);
- Pofadder Power Line Basic Assessment Application (2014-2015)
- Castle Wind Energy Facility (2014-2015)
- Spitskop Wind Energy Facility (2014-2015);
- Bobididi Solar Facility-Environmental Screening (2014);
- Son Citrus Solar Energy Facility (2014);
- Nuclear- 1 EIA (2013);
- Langkuil Industrial Development, 2008 ( Environmental Manager and Project Manager);
- Township Development in Reitfontein, 2008/2009;
- Upgrading of the BP Golf Course, 2008;
- Construction of the BP Soshanguve VV Filling Station, 2008;
- Construction of the BP Soshanguve ZZ Filling Station, 2008;
- Shell Filling Stations( Project Manager and Client Liaison), 2008/ 2009:
- Watloo Filling Station
- Chantelle Filling Station
- M2 East Filling Station
- Orlando Filling Station
- Equestria Willowglen Filling Station
- President Park Filling Station
- Capital Park;
- Eskom- Komati Water Augmentation, 2008;
- Rainbow Junction Residential Development, 2008/ 2009;
- Township Development in Delmore Park Extension 7, 2008/ 2009;
- West Rand District Municipality- Bulk Water Supply 2009;
- West Rand District Municipality Air Quality Assessment;
- Lonmin K4 Shaft Mine Upgrading;
- Westlake Residential Development;
- Air Quality Management Plan;
- Montana Spruit Upgrading;
- Palm Ridge Township Development;
- HM Pitjie Roads;
- Vlaakplat S24G Application (Mokgale City Local Municipality);
- Rangeview Ext 2 S24G Application (Mogale City Local Municipality);
- Construction of Khetho Bridge, Greater Giyani Local Municipality, 2007;
- Demolition and Relocation of Malamulele High School, 2007;
- Construction of Malamulele Shopping Complex, 2007;
- The Subdivision of land in Ellisrus, 2007;
- Construction of the Senwabarwane Filling Station, 2007;

- Residential Development in Tlapeng Village, 2007;
- Township Development in Maphosa Village, 2007;
- Establishment of a Piggery in Mogalakwena Local Municipality, 2007;
- Establishment of two Piggeries in Elias Motsoaledi Local Municipality, 2007;
- Establishment of a Piggery in Modimolle Local Municipality, 2007;
- Township Development in Rietfontein, 2007;
- Public Participation and Section 24G Application for the National Taxi Scrapping Project, 2007;
- Construction of a Shopping Complex in Zebediela, 2007;
- Establishment of a Guest House (ECA application), 2008;
- Establishment of a Waste Management Depot in Rustenburg, 2008; and
- Establishment of a Waste Management Depot in Tzaneen and Nkowa-Nkowa, 2008.

## **CURRICULUM VITAE**

### **GABRIELE WOOD**

Profession : Public Participation and Social Consultant  
Specialisation : Public Participation Process Implementation  
Years experience : 8 years

#### **KEY RESPONSIBILITIES**

Specific responsibilities as a Public Participation and Social Consultant include professional execution of public participation consulting for a variety of projects. This includes managing and coordinating public participation processes for Environmental Impact Assessments (EIA).

#### **SKILLS BASE AND CORE COMPETENCIES**

- Qualitative and Quantitative Social Research
- Social Assessment (Stakeholder and Social Analysis)
- Public participation process implementation, monitoring and evaluation
- Facilitation (Focus Groups, Community Meetings, Interest Group Meetings, Public Meetings, Public Open Days, Workshops, Forums, Committees, etc.)
- Stakeholder Management
- Community Needs Assessment
- Relocation Facilitation
- Project Administration
- Minute Taking
- Report Writing

#### **EDUCATION AND PROFESSIONAL STATUS**

##### ***Degrees:***

- B. Hons. Anthropology (Cum Laude): University of Johannesburg (2004 – 2005)
- B.A. Psychology: University of Johannesburg (2002 – 2004)

##### ***Courses:***

- South African Advertising Research Foundation (SAARF) living Standards Measure (LSM) Training (2010).
- Certificate in Focus Group Moderation Skills, Market Research for Africa (2007)
- Prestige Diploma in Public Relations: Allenby Campus Boksburg now Damlin College (2001)

## **EMPLOYMENT**

*May 2012 – Current:* Savannah Environmental (Pty) Ltd: Public Participation and Social Consultant

*March 2007 – April 2012:* NMA Effective Social Strategists (Pty) Ltd: Assistant Project Manager : Public Participation and Social Research

*January 2005 – March 2007 (Part-time):* University of Johannesburg: Department of Anthropology and Development Studies: Student Tutor and Research Assistant

## **PROJECT EXPERIENCE**

Current projects include:

- Blackwood Solar Energy Facility - EIA (for VentuSA Energy)
- Amakhala Kopleegte Substation and Kopleegte – Poseidon Power Line – BA (for Cennergi)
- Garob – Kronos Power Line – BA (for juwi Renewable Energies)
- Nojoli Power Line and Substation – BA (for ACED)
- Umbani Coal-fired Power Station – EIA (for ISS Global Mining)
- Thabametsi Coal-fired Power Station – EIA (for GDF SUEZ Energy Southern Africa)
- Abengoa Upington CSP Phase 2 and 3 – EIA (for Abengoa Solar)
- Pofadder Renewable Energy Facilities – EIA (for Mainstream Renewable Power South Africa)
- Cuprum-Burchell and Burchell to Moidraai – BA (for Eskom)
- Wolmaransstad Municipality Solar Energy Facility – EIA (for Bluewave)
- Blackwood Power Line and Substation – BA (for VentuSA Energy)
- Kotulo Tsatsi CSP and PV Solar Park – EIA (for Exheredo)
- Expansion of the Sekoko Colliery – EIA (for Sekoko Resources)
- Transalloys Coal Fired Power Station – EIA (for Transalloys)
- Castle Wind Energy Facility – EIA (for juwi Renewable Energies)
- Karreebosch Wind Energy Facility – EIA (for G7 Renewable Energies)
- Tatuka PV Solar Energy Facility – EIA (for Eskom)
- Majuba PV Solar Energy Facility – EIA (for Eskom)
- Lethabo PV Solar Energy Facility – EIA (for Eskom)
- Iziduli Power Line and Substation – BA (for Windlab)
- Kathu CSP Watercourse Crossings and Power Line – BA (for GDF Suez)
- Karreebosch Wind Energy Facility – EIA (for G7 Energies)
- SolarReserve Kotulo Tsatsi Energy CSP Facilities – EIA (for SolarReserve & Kotulo Tsatsi Energy)
- Grootdrink Solar PV Energy Facility – EIA (for Africoast Engineering)
- Byromate Biomass Power Generation Facility – EIA (for Energuys)

## **WASTE MANAGEMENT LICENSES**

- Integrated NEMA and Waste Management License application for the Thabametsi Coal Fired Power Station, Limpopo
- Integrated NEMA and Waste Management License application for the Umbani Coal Fired Power Station, Mpumalanga
- Integrated NEMA and Waste Management License application for the Transalloys Coal Fired Power Station, Mpumalanga
- Waste Management License application for South Deep for Goldfields, Gauteng
- Waste Management License application for Medupi PS pollution control dams, Limpopo
- Waste Management License application for REDISA Visserhok Tyre Depot, Western Cape
- Waste Management License application for REDISA Witbank Tyre Depot, Mpumalanga

# Kimberg, Peter - Curriculum Vitae

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330 Percheron Road, Beaulieu Estate, Midrand | +27 (82) 417 9191

peter@thebiodiversitycompany.com

## Personal Information

Date of birth: 1975/11/06

Languages: Fluent in English & Afrikaans

Marital status: Married

ID Number: 7511065211087

## Career Objectives

Ensuring development of earth's resources whilst adhering to a policy of no net-loss of biodiversity

## Work Experience

### **March 2015 – current | 50% Shareholder in The Biodiversity Company | Independent Biodiversity Consultancy**

- Providing specialist biodiversity consulting services to the private sector.

### **January 2014 – February 2015 | Self-employed as Hydrocynus Consulting | Independent Aquatic and Biodiversity Consultant**

- Providing specialist aquatic and biodiversity consulting services to the private sector.

### **August 2013 – December 2013 | Golder Associates Africa | Discipline Lead Ecological Services**

In addition to specialist responsibilities (below):

- Leading innovation and business development within division;
- Providing in-house advisory services to project opportunities in Africa including resource allocation, project complexity, location and project risks.

### **March 2009 – September 2013 | Golder Associates Africa | Divisional Leader Ecology**

- Management of all aspects pertaining to running of division including financial performance, strategic planning, human resource management and health & safety management;
- Quality control & review of ecology division deliverables;
- Project management and client interaction;
- Compilation of integrated biodiversity reports from various specialist ecological disciplines;
- Specialist studies of aquatic ecosystems including high level/risk baseline and impact assessments and compilation of complex management plans.

### **July 2007 – February 2009 | Golder Associates Africa | Group Leader Aquatics**

- Management of aquatics group including group coordination and scheduling;
- Project management and client interaction;

- Specialist studies of aquatic ecosystems including baseline and impact assessments and compilation of management plans.

**February 2004 – June 2007 | Ecosun cc. | Senior Aquatic Consultant**

- Specialist assessments of aquatic ecosystems.

**January 2003 – December 2003 | Incomati Tigerfish Action Group (iTag) | Field Researcher**

- Assessment of migratory movements and habitat use of Tigerfish (*Hydrocynus vittatus*) using radio telemetry in the Crocodile and Komati Rivers, Kruger National Park.

**January 1997 – December 1998 | Legacy Hotel Group | Field guide**

- Leading guided game drives and bush walks in the Pilanesberg National Park, NW Province.

## Education

**M.Sc. | Ongoing to be completed 2016 | Rhodes University**

Assessment of the impact of the alien invasive fish species *Micropterus salmoides* (Largemouth Bass) on indigenous fish communities in the Groot Marico River catchment, North-West Province, South Africa.

**B.Sc. Honours | 2002 | University of Johannesburg (UJ)**

Aquatic Health: Baseline assessment of aquatic ecosystems in the Mankwe River, Pilanesberg National Park, North-West Province.

**B.Sc. | 1999 - 2001 | University of Johannesburg (UJ)**

Majors: Zoology & Botany

## Skills & Abilities

### Specialist Skills

- Extensive experience as aquatic specialist with high competency in the following:
  - Baseline assessments of aquatic ecosystems including:
    - Detailed characterization of aquatic habitats;
    - Collection of water & sediment samples and interpretation of laboratory results;
    - Sampling of aquatic biota including periphyton, diatoms, zooplankton & phytoplankton, benthic macroinvertebrates & fish;
    - Identification of African fish species;
    - Compilation of critical habitat reports;
  - Compilation of impact assessment reports in line with IFC Performance Standard 6;
  - Compilation of biodiversity reports;
  - Compilation of alien invasive species management plans;
  - Ecological risk assessment.
- Worked in a wide variety of environments in 15 African countries including South Africa, Namibia, Angola, Botswana, Mozambique, Madagascar, Lesotho, Zambia, Democratic Republic of Congo, Central African Republic, Tanzania, Togo, Guinea, Liberia & Mali.

## Management

- Financial management & planning;
- Strategic planning including compiling business plans;
- Human resource management;
- Health & safety management.

## Communication

- Presentation skills - ability to confidently explain complex scientific principles to a wide variety of audiences.

## Recent Project Experience (full list available on request)

- **Société des Mines de Fer de Guinée (SMFG), Mt. Nimba; Guinea** : Aquatic baseline, critical habitat and impact assessment of aquatic ecosystems associated with the proposed iron ore mine at Nimba World Heritage Site, Guinea;
- **New Liberty Gold Mine, Liberia**: Aquatic baseline and impact assessment report for input into project ESIA report;
- **Scantogo Cement Project ,Togo**: Ecological specialist assessment report for inclusion into project ESIA report;
- **Riversdale Benga, Tete, Mozambique**: Scoping, baseline and impact assessment of aquatic ecosystems in the Zambezi and Revúboè Rivers associated with proposed coal mining activities;
- **Hillside Aluminum, Richards Bay, South Africa**: Receptor characterization component of Source, Pathway, Receptor (SPR) report;
- **Royal Vopak, Heidelberg, South Africa**: Sensitive biodiversity and ecosystem assessment; and
- **Exxaro, Belfast, South Africa**: Update of Belfast Wetland offset and compilation of additional impact assessment reports.

## Training & Workshops

***Banks and Biodiversity Training Course***: Equator Principles Association, Citibank, WWF and BBOP, (2013);

***Workshop to discuss the mainstreaming of biodiversity considerations into the strategic development of the Waterberg Coal Corridor***: National Biodiversity and Business Network, (2013);

***Ecological Risk Assessment Workshop***: presented by W. Landis (Washington University) at North-West University, (2013);

***Introduction to the Upstream Petroleum Industry – Oil and Gas School***: Golder Associates 3 day training seminar, (2011);

***Manager Excellence***: Golder Associates Africa 4 day training course, (2010);

***S21(c) and (i) Water Uses – Comprehensive Training***: Directorate Water Abstraction and Instream Use, (2009); and

***Monitoring contaminant levels in freshwater fish for bioaccumulation surveys and human consumption***: University of Johannesburg & Water Resource Commission (WRC), (2005).

## Publications

Kimberg PK, DJ Woodford, H Roux & OLF Weyl (2014). Species-specific impact of introduced largemouth bass *Micropterus salmoides* in the Groot Marico Freshwater Ecosystem Priority Area, South Africa. African Journal of Aquatic Science, DOI: 10.2989/16085914.2014.976169

PK Kimberg, DJ Woodford, OLF Weyl, C Hui, DM Richardson, TP Msezane, KA van der Walt, ER Swartz, CT Chimimba, T Zengeya & BR Ellender (2014). Understanding the unintended spread and impact of alien and invasive fish species – development of management guidelines for South African inland waters. Report to the Water Research Commission. WRC Report No. 2039/1/14.

## References

**Gabriel Canahai** | Associate, Environmental Technology Business Unit Leader | **Golder Associates Africa (Pty) Ltd.** | T: [+27] (11) 254 4800 | C: [+27] 82 779 3290 | E: gcanahai@golder.co.za |

**Warren Aken** | Aquatic Biologist | Divisional Leader: Ecology | **Golder Associates Africa (Pty) Ltd.** | T: [+27] (11) 254 4869 | C: [+27] 78 3060 866 | E: waken@golder.co.za |

**Danie Otto** | Biophysical Lead | **Digby Wells Consulting (Pty) Ltd.** | C: [+27] (82) 399 9315 | E: danie.otto@digbywells.com |

**Chris Fell** | Environmental & Social Management Plan Team | **Mozambique LNG Project** | C: [+27] 72 3476050 | E: cfell@rsrisksolutions.com |

## CV for ENVIRONMENTAL ASSESSMENTS

### Dr Rob Simmons

**Synopsis:** 57 year-old ecologist and ornithologist, with 30 year's research experience in Namibia and South Africa. Permanent Resident in South Africa. Currently I am Research Associate within the FitzPatrick Institute's Centre of Excellence, UCT.

Formerly employed in the Namibian Ministry of Environment and Tourism (MET) as the country's ornithologist, specializing in biodiversity issues. Schooled in England (Honours: Astrophysics), Canada (MSc: Biology) and South Africa (PhD: Zoology).

I have worked in all parts of Namibia, first as Wetlands Biologist, then Ornithologist, specialising on raptorial birds, shorebirds, flamingos, terns, endemic species and inventories of Namibia's wetlands. Endemic species have been intensively studied in the escarpment and specialized collaborative studies have been undertaken with Cambridge, Oxford, Uppsala, Stanford, Edinburgh and Sheffield Universities. I have authored and co-authored 100 papers and 60 popular articles, contributed to 9 books or proceedings, and written an Oxford-published book on raptors in 2000. I have recently (2015) finished Namibia's first Red Data book on birds to be published in May.

I live and work in South Africa and have undertaken over 20 impact assessments in the last 20 years. I was part of the advisory board team for BAWESG of EWT and Birdlife SA Birds.

#### 1. SPECIFIC EXPERIENCE :

(i) **Ecological study of the Cunene River mouth** – As wetlands biologist, I headed a 1991 survey team comprising MET staff, that assessed the avifauna of the river's lagoon over 3 months during peak (March - May) and low flow (November) periods. We concurrently recorded all other fauna in the area and undertook simple mapping and river sampling. Results published *Madoqua* 18:163-180 (1993)

(ii) **National surveys of Namibian wetland birds** - Coordinated avifaunal assessments of about 80 wetlands throughout Namibia twice a year, as part of an Africa-wide programme (1990-2003).

(iii) **Sandwich Harbour avifauna** - A project begun 25 years ago by ministry staff, and continuing to this day, assessing natural changes in geomorphology and wetland area (using Global Positioning System technology) and the resultant changes in wetland avifauna. Random survey plots used to count birds.

Major nationwide monitoring projects:

**Population monitoring of Namibian endemics** - In conjunction with Edinburgh University initiated a project to determine densities and thus overall population numbers of all 16 Namibian endemic birds. Populations are now the best known for any species in Namibia. Published *Biological Conservation* 1996 and incorporated into the new Namibian Red Data book (Simmons et al. 2015).

**Damara Tern status** –In 1992 I devised a stratified random survey of the entire 1450 km-long coast of Namibia, revolutionised our estimates of the species' status. Published *Ibis* 1998. Current publication with students on effects of protection on population size and success.

**Black Harrier status** – From 2000 - present monitoring threatened Black Harriers throughout South Africa, using satellite tags to follow migration and research with MSc and PhD students.

#### Impact Assessments undertaken

My consultancy work experience covers 20 years in Namibia and South Africa.

- birds impacted by a proposed Haib copper mine near the Orange River (1994)

- siting of proposed Lüderitz wind farm prior to formal assessments for NamPower (1997);
- coastal birds impacted by new “pocket-beach” diamond mines within the Diamond Area of the Sperrgebiet for Namdeb (Enviro-science (2002);
- impacts to birds along powerlines across the Namib Desert (Windhoek-Walvis Bay) for Nampower (2000).
- assessment of water abstraction scheme from Karst System on wetlands and birds near Tsumeb (2003) (Jessica Hughes).
- impacts to birds from proposed powerlines between Windhoek-Rehoboth (2005) for NamPower
- bird impacts on a proposed powerline south-east of the Waterberg Plateau Park (assisted Chris van Rooyen with specialist knowledge -2006)
- impact of uranium mine at Valencia, Khan River, Namibia (Aug 2007, Feb 2008)
- Impact on birds of proposed shooting range at Faure Police site, Western Cape (2009)
- Impact on birds of new airport in Caledon, Western Cape (2009)
- Wind farm (x5) bird assessments (with Andrew Jenkins) in Western Cape (2010-2011)
- Power lines-bird interactions Redlinghuys, West Cape (ERM- 2009)
- Coastal birds impacted by re-mining diamonds at E-Bay, Sperrgebiet, Namibia (Pisces-2010)
- Impact of golf course development at the River Club, Observatory (2010)
- Wind farm assessments at Gansbaai/Walker Bay (Savannah-2011)
- Wind farm assessments on the west coast at Kleinsee and Koingnaas (Savannah – 2011)
- EIA report for Kleinsee 300 and Kleinsee Blue projects (Savannah-2011)
- EIA report and pre-construction monitoring of birds in Namaqualand and Springbok (Mulilo – 2012)
- EIA report and pre-construction for birds on a wind farm at Konstabel (Mainstream 2011).
- Pre-construction monitoring of birds at the Witteberg (Karoo) wind farm site – (Anchor Environmental 2011-2012)
- Pre-construction monitoring of birds at a Richtersveld wind farm site (EnBW -2012-2013)
- Pre-construction monitoring of birds at Happy Valley (E Cape) wind farm site (EDP Renewables -2013-2014).

Recent papers and academic background can be found at:

<http://www.fitzpatrick.uct.ac.za/docs/whatsnew.html>

Red data book and conservation work at:

[www.nnf.org/na/RAPTORS/raptors\\_pges/conservation.htm](http://www.nnf.org/na/RAPTORS/raptors_pges/conservation.htm)

Papua New Guinea work at:

[http://www.natural-research.org/news/PNG\\_harrier.htm](http://www.natural-research.org/news/PNG_harrier.htm)



## **CURRICULUM VITAE CANDICE HUNTER**

Profession : Social Consultant  
Specialisation : Social Impact Assessments (SIA)  
Years' experience : 1 year and 9 month

### **KEY RESPONSIBILITIES**

Specific responsibilities as a Social Consultant involve conducting field research; socio-economic surveys; the management and analysis of data; undertaking stakeholder engagement and communication processes; socio-economic baseline data analyses and conducting general social research for a variety of projects. This includes managing and coordinating the Social Impact Assessment (SIA) processes and compiling SIA reports in line with the countries guidelines and legislation.

### **SKILLS BASE AND CORE COMPETENCIES**

- Social Impact Assessments (SIA)
- EIA Legislation
- Data gathering and analysis
- Qualitative and quantitative social research
- Field research and socio-economic surveys
- Baseline socio-economic data analyses
- Stakeholder engagement
- Public participation process
- Communication and community facilitation
- Report writing and review
- Project administration

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### **EDUCATION AND PROFESSIONAL STATUS**

#### ***Degrees:***

- » M. A. Environmental Management: University of Johannesburg (2013)
- » B.A. Honours Tourism Development (Cum Laude): University of Johannesburg (2010)

#### ***Courses:***

- » Advanced Certificate in Social Impact Assessment (SIA) (Cum Laude): University of Johannesburg (2013)
- » Certificate in Global Reporting Initiative (GRI), Sustainability Reporting Process: Environmental & Sustainable Solutions CC (2012)

#### ***Publications:***

- » Hunter, C. & Mearns, K. (2015). Assessing the sustainability reporting of selected tourism companies listed on the Johannesburg Stock Exchange (JSE). *African Journal of Hospitality, Tourism and Leisure*, 4(1): 1-18. Publication URL:  
[http://www.ajhtl.com/uploads/7/1/6/3/7163688/article\\_51\\_vol.4\\_1\\_2015.pdf](http://www.ajhtl.com/uploads/7/1/6/3/7163688/article_51_vol.4_1_2015.pdf)

## **EMPLOYMENT**

*January 2014 – Current:*

Savannah Environmental (Pty) Ltd: Social Consultant

*February 2011 – January 2013:*

University of Johannesburg: Department of Geography, Environmental and Energy Studies & School of Tourism and Hospitality (STH): Student and Research Assistant.

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## **PROJECT EXPERIENCE**

### ***Social Impact Assessment Reports:***

- » January 2014: Specialist SIA study for the proposed Gihon Solar Energy Facility & Associated Infrastructure Located near Bela-Bela, Limpopo Province (for Networx SA)
- » March 2014: Specialist social scoping study for the proposed Exheredo Photovoltaic (PV) Solar Energy Facility and associated infrastructure located near Kenhardt, Northern Cape Province (for Kotulo Tsatsi Energy (Pty) Ltd)
- » May 2014: Specialist social scoping study for the proposed Wolmaransstad Municipality Solar Energy Facility and associated infrastructure near Wolmaransstad, North West Province (for Bluewave Capital (Pty) Ltd)
- » July 2014: Specialist SIA study for the proposed Newcastle Solar Energy Facility near Newcastle, KwaZulu Natal (for Building Energy SpA)
- » July 2014: Specialist SIA study for the proposed Pongola Solar Energy Facility near Pongola, KwaZulu Natal (for Building Energy SpA)
- » July 2014: Specialist SIA study for the proposed Senekal 1 Solar Energy Facility near Mkuze, KwaZulu Natal (for Building Energy SpA)
- » July 2014: Specialist SIA study for the proposed Senekal 2 Solar Energy Facility near Mkuze, KwaZulu Natal (for Building Energy SpA)
- » October 2014: Specialist SIA study for the proposed Kotulo Tsatsi Energy Concentrated Solar Power (CSP) Tower Plant 3 facility and associated infrastructure located near Kenhardt, Northern Cape Province (for Kotulo Tsatsi Energy (Pty) Ltd)
- » November 2014: Specialist social scoping study for the proposed Lethabo Solar Energy Facility and associated infrastructure near Sasolburg, Free State Province (for Eskom Holdings (SOC) Limited)
- » November 2014: Specialist social scoping study for the proposed Majuba Solar Energy Facility and associated infrastructure near Amesforort, Mpumalanga Province (for Eskom Holdings (SOC) Limited)

**Social Impact Assessment Reports:**

- » November 2014: Specialist social scoping study for the proposed Tutuka Solar Energy Facility and associated infrastructure near Standerton, Mpumalanga Province (for Eskom Holdings (SOC) Limited)
- » December 2014: Specialist social scoping study for the proposed 120MW CPV Facility and associated infrastructure near Upington, Northern Cape Province (for Lambrius Energy (Pty) Ltd)
- » February 2015: Specialist SIA study for the proposed realignment of the N10 to facilitate access to the Ilanga CSP Facility site, east of Upington, Northern Cape Province (for SANRL)
- » March 2015: Specialist social scoping study for the proposed Beaufort West Solar Power Plant 1 near Beaufort West, Western Cape Province (for Beaufort West Solar Company 1 (Pty) Ltd)
- » March 2015: Specialist social scoping study for the proposed Beaufort West Solar Power Plant 2 near Beaufort West, Western Cape Province (for Beaufort West Solar Company 2 (Pty) Ltd)
- » March 2015: Specialist social scoping study for the proposed Beaufort West Solar Power Plant 3 near Beaufort West, Western Cape Province (for Beaufort West Solar Company 3 (Pty) Ltd)
- » June 2015: Specialist social scoping report for the proposed Buffels Solar 1 and Solar 2 Solar Energy Facilities, near Orkney, North West Province (for Kabi Solar (Pty) Ltd)
- » July 2015: Specialist SIA study for the proposed Lethabo Solar Energy Facility and associated infrastructure near Sasolburg, Free State Province (for Eskom Holdings (SOC) Limited)
- » July 2015: Specialist SIA study for the proposed Majuba Solar Energy Facility and associated infrastructure near Amesforort, Mpumalanga Province (for Eskom Holdings (SOC) Limited)
- » July 2015: Specialist SIA study for the proposed Tutuka Solar Energy Facility and associated infrastructure near Standerton, Mpumalanga Province (for Eskom Holdings (SOC) Limited)
- » August 2015: Specialist social scoping report for the proposed Paulputs CSP Tower Facility and associated infrastructure, near Pofadder, Northern Cape Province (for Abengoa Solar Power South Africa (Pty) Ltd)
- » September 2015: Specialist SIA study for the proposed AEP Bloemsmond Solar 1 and Solar 2 PV Facilities, near Upington, Northern Cape Province (for AEP Bloemsmond Solar 1 (Pty) Ltd)

**Other Projects:**

- » June 2014: Screening and pre-feasibility report- Site assessment for the proposed Wind Energy Facility near Van Reenen, KwaZulu Natal and Free State Provinces (for 4Green Development SA)



# CV Jaco van der Walt

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## PERSONAL PARTICULARS:

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**NAME:** Jaco van der Walt  
**MARITAL STATUS:** Married with two dependants  
**DATE OF BIRTH :** 1977-11-04  
**Work Address** 37 Olienhout Street, Modimolle, 0510  
**E-MAIL:** jaco.heritage@gmail.com  
**MOBILE:** +27 82 373 8491  
**FAX:** +27 86 691 6461

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## SYNOPSIS

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Jaco has been actively involved as a professional archaeologist within the heritage management field in southern Africa for the past 10 years. During this time he worked at world renowned South African Universities and also as a consultant in the private sector. This experience provided him with an excellent foundation to act as facilitator between the challenges that development poses on our non-renewable heritage resources while adhering to academic principles and complying with heritage legislation. He is currently owner and founder of Heritage Contracts and Archaeological CC where he is responsible for the overall business management of the unit that includes the planning and directing of heritage surveys, excavations, grave relocations and consultation with indigenous communities. He held key management roles in successful projects including amongst others Eskom's Spencer – Vunulu Power line and BHP Billiton's Hotazel Manganese Mine.

All projects were successfully completed within required deadlines as well as budgets and complied with Heritage Regulator's legal parameters.

Jaco acted as council member for the Association of Southern African Professional Archaeologist (ASAPA Member #159) in the Cultural Resource Management (CRM) portfolio for two years (2011 - 2012) and is an accredited cultural resource management consultant with the ASAPA, AMAFA / Heritage Kwazulu Natal and the South African Heritage resources agency (SAHRA). Jaco was also a Research Associate with the University of Johannesburg from 2011 – 2013. He is well respected in his field and published in peer reviewed journals and presented his findings on various national and international conferences.

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## ACADEMIC QUALIFICATIONS:

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**Date of matriculation:** 1995  
**Particulars of degrees/diplomas and/or other qualifications:**  
**Name of University or Institution:** University of Pretoria  
**Degree obtained :** BA  
**Major subjects :** Archaeology  
Cultural Heritage Tourism  
**Year of graduation :** 2001

**Name of University or Institution:** University of the Witwatersrand  
**Degree obtained :** BA [Honours]  
**Major subjects :** Archaeology  
**Year of graduation :** 2002

**Name of University or Institution :** University of the Witwatersrand  
**Degree Obtained :** BA [Masters]  
**Major subject :** Archaeology  
**Year of Graduation :** 2012

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### EMPLOYMENT HISTORY:

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

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### MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

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

### Countries of work experience:

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

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### REFERENCES:

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1. Dr Marlize Lombard  
Senior Lecturer, Department of Anthropology and Development Studies, University of Johannesburg, South Africa  
Tel: +2783 757 5675  
E-mail: mlombard@uj.ac.za
2. Prof TN Huffman  
Department of Archaeology  
Tel: (011) 717 6040  
School of Geography, Archaeology and Environmental Studies  
University of the Witwatersrand

## **CURRICULUM VITAE**

### **JOHN E. ALMOND**

*Palaeontologist for Natura Viva cc*

#### **SKILLS BASE AND CORE COMPETENCIES**

- 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

#### **EMPLOYMENT HISTORY**

- 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.
- Scientific Officer, Council for Geoscience, RSA (1990-1998) – Palaeontological research and fieldwork – especially in western RSA and Namibia.
- 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.

#### **TERTIARY EDUCATION**

- 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).

#### **SELECTED RELEVANT PROJECT EXPERIENCE**

- Palaeontological impact assessments for developments in the Northern Cape, Free State, Northwest Province, Mpumalanga, Gauteng. Several hundred desktop studies and field assessments completed over the past few years. Examples of recent larger projects include:
- Several major alternative energy projects (wind / solar) in the Prieska, De Aar and Cookhouse / Middleton areas (N. Cape, E. Cape)
- Palaeontological heritage survey of the Coega IDZ (E. Cape)
- On-going survey of borrow pits in the Western Cape
- On-going palaeontological heritage assessments for the Transnet 16 mtpa railway development, Hotazel to Coega IDZ (N. Cape, E. Cape)
- Eskom transmission line developments such as Gamma-Omega and Gamma Perseus projects (N. Cape, W. Cape, Free State)
- Mining exploration studies on the Great Karoo
- Reviews of fossil records relating to new 1: 250 000 geological maps published by the Council for Geoscience (Geological Survey of SA) – e.g. Clanwilliam, Loeriesfontein, Alexander Bay sheets.

## Short CV/Summary of Expertise – Simon Todd

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 <p><b>SIMON TODD CONSULTING</b></p> <p><b>ECOLOGICAL SPECIALIST SERVICES</b></p> <p>Assessment/Management/Research</p>	<p>Simon Todd Pr.Sci.Nat</p> <p>C: 082 3326502 O: 021 782 0377 Simon.Todd@3foxes.co.za</p> <p>60 Forrest Way Glencairn 7975</p>	<p>Ecological Solutions for People &amp; the Environment</p>
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### *Professional Profile*

Simon Todd has extensive experience in biodiversity management and ecological assessment, having provided assessments for more than 100 different developments. This includes a large number of power lines and associated infrastructure distributed widely across South Africa. In addition, Simon Todd was the contributing ecologist on the Strategic Environmental Assessment (SEA) for both the Eskom Grid Infrastructure, as well as the Renewable Energy Development Zones. Simon Todd is a recognised ecological expert and is a past chairman of the Arid-Zone Ecology Forum and has 18 years' experience working throughout the country. Simon Todd is registered with the South African Council for Natural Scientific Professions (No. 400425/11).

Recent notable studies include the following:

- Eskom Grid Infrastructure Strategic Environmental Assessment (EGI-SEA) - Terrestrial and Aquatic Biodiversity – Specialist contribution to report. CSIR 2015.
- National Wind and Solar PV SEA Specialist Report - Terrestrial and Aquatic Biodiversity. Specialist Report produced for the CSIR on behalf of DEA for the Strategic Environmental Assessment of the Renewable Energy Development Zones (REDZs). CSIR 2014.
- Proposed Juno-Aurora 765KV Power Line in the Western Cape: Fauna & Flora Specialist Report for Impact Assessment. Nzumbulolo Heritage Solutions 2015.

### *Abbreviated CV*

- Profession: Independent Ecological Consultant - Pr.Sci.Nat 400425/11
- Specialisation: Plant & Animal Ecology
- Years of Experience: 18 Years

### *Skills & Primary Competencies*

- Research & description of ecological patterns & processes in Nama Karoo, Succulent Karoo, Thicket, Arid Grassland, Fynbos 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.

*General Experience & Expertise*

- Conducted a large number of fauna and flora specialist assessments distributed widely across South Africa. Projects have ranged in extent from <50 ha to more than 50 000 ha.
- Widely-recognized ecology specialist. Published numerous peer-reviewed scientific publications based on various ecological studies across the country. Past chairman of the Arid Zone Ecology Forum and current executive committee member.
- Extensive experience in the field and exceptional level of technical expertise, particularly with regards to GIS capabilities which is essential with regards to producing high-quality sensitivity maps for use in the design of final project layouts.
- Strong research background which has proved invaluable when working on several ecologically sensitive and potentially controversial sites containing some of the most threatened fauna in South Africa.
- Published numerous research reports as well as two book chapters and a large number of papers in leading scientific journals dealing primarily with human impacts on the vegetation and ecology of the arid and semi-arid parts of South Africa.
- Maintain several long-term vegetation monitoring projects distributed across Namaqualand and the karoo.
- Guest lecturer at two universities and have also served as an external examiner.
- Reviewed papers for more than 10 international ecological journals.
- Past chairman and current committee member of the Arid Zone Ecological Forum.
- SACNASP registered as a Professional Natural Scientist, (Ecology) No. 400425/11.

A selection of recent work is as follows:

Specialist Assessments:

**Power Lines/Grid Connections:**

Proposed Juno-Aurora 765kV Power Line in the Western Cape: Fauna & Flora Specialist Report for Impact Assessment. Nzumbulolo Heritage Solutions 2015.

The proposed Mookodi Integration Phase 2 132kV Power Lines and Ganyesa Substation near Vryburg, North West Province: Fauna & Flora Specialist Basic Assessment Report. Sivest 2014.

Basic Assessment Process for the Proposed Construction of the Transnet 7km 50 kV Power Line from Eskom Juno Substation to the proposed new Transnet Juno Traction Feeder Substation. Nsovo Environmental Consulting. 2014.

Basic Assessment Process for the Proposed Construction of the Transnet 5km 50 kV Power Line from Eskom Aries Substation to the proposed new Transnet Aries Traction Feeder Substation. Nsovo Environmental Consulting. 2014.

Basic Assessment Process for the Proposed Construction of the Transnet 15km 50 kV Power Line from Eskom Helios Substation to the proposed new Transnet Helios Traction Feeder Substation. Nsovo Environmental Consulting. 2014.

Burchell-Caprum-Mooidraai 132kV Power Line - Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2014.

Proposed Re-Alignment Of The Koeberg – Ankerlig VPower Line: Fauna & Flora Specialist Report For Basic Assessment. Savannah Environmental 2014.

Grid Connection for Redstone Solar Thermal Energy Plant- Redstone Solar Thermal to Olien Mts: Fauna & Flora Specialist Basic Assessment Report. SiVest 2014.

Grid Connection for Mainstream South Africa Perdekraal Wind Energy Facility. Fauna & Flora Specialist Report for Basic Assessment. ERM 2014.

Karoshhoek Grid Integration Infrastructure. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Garob to Kronos Power Line - Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Loeriesfontein Wind Energy Facility – Substation & Grid Connection. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Gouda Wind Energy Facility – Grid Connection. Walk-Through of Overhead Power Line - Gouda WEF to Eskom Windmill Substation. Specialist Report for Savannah Environmental. 2012.

Proposed Kappa-Omega 765 kV Transmission Line. Fauna, Flora & Ecology Walk-Through Report. Specialist Report for ACER Africa. 2013.

**Strategy/Conceptual Documents:**

Renewable Energy Sector Spatial Planning Tool for the Namakwa District: To Form Part of the NDM Green Economy Strategy. Conservation South Africa, 2013.

Terrestrial Environment: Characteristics and Categorization. Contribution to the development of standards for EIA processes on behalf of the DEA. Anchor Environmental 2012.

National Wind and Solar PV SEA Specialist Report - Terrestrial and Aquatic Biodiversity. Specialist Report produced for the CSIR on behalf of DEA for the Strategic Environmental Assessment of the Renewable Energy Development Zones (REDZs). CSIR 2014.

Eskom Grid Infrastructure Strategic Environmental Assessment (EGI-SEA) - Terrestrial and Aquatic Biodiversity – Specialist contribution to report. CSIR 2015.

### **Infrastructure & Mining Developments:**

Environmental Impact Assessment for the Proposed Putsberg Open Cast Mine Near Pofadder, Northern Cape. Fauna & Flora Specialist Report for EIA. Ecopartners 2013.

Proposed Establishment of the Gamsberg Zinc Mine, Concentrator Plant and Associated Infrastructure near the Town of Aggeneys, Northern Cape. Fauna & Flora Specialist Report For ESIA. ERM 2013.

Pella Water Board – Infrastructure Upgrade. Fauna & Flora Specialist Report for Basic Assessment. Environmental Resources Management 2012.

Transnet Manganese Ore Line Upgrade. Fauna & Flora Specialist Report for Basic Assessment. Environmental Resources Management 2012.

Proposed Vryburg Wastewater Treatment Works: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Endemic Vision 2013.

Proposed Mamatwane Compilation Yard, Northern Cape: Fauna & Flora Specialist Report for Impact Assessment. Environmental Resources Management 2013.

Rare Earth Separation Plant Near Vredendal, Western Cape Province. Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2012.

Proposed Mocke Poultry Farm: Fauna & Flora Specialist Report for Basic Assessment. Enviroworks 2015.

Basic Assessment for proposed Neotel Fibre Optic Cable Route 1 from George to Oudtshoorn. Fauna & Flora Specialist Report for Basic Assessment. Enviroworks 2015.

Basic Assessment for proposed Neotel Route 2 Fibre Optic Cables from Prince Albert Road to Oudtshoorn via the N12. Enviroworks 2015.

Basic Assessment for proposed Neotel Route 3 Fibre Optic Cables from Oudtshoorn to George via R328 and R102. Enviroworks 2015.

Basic Assessment for proposed Neotel Route 4 Fibre Optic Cables from Laingsburg to Oudtshoorn via Ladismith along the R323 and R62. Enviroworks 2015.

Improvements to the Ou Kaapse Weg / Silvermine Road Intersection. Specialist Faunal Study For Basic Assessment. Khula Environmental Consultants, 2012.

Upgrading of Tourism Facilities at Goegap Nature Reserve. Specialist Ecological Assesment. Van Zyl Environmental Consultants. 2012.

Plant Sweeps on Portion 2 of the Farm Demaneng 546, Kuruman District, Northern Cape Province for SA Manganese. 2011.

**Solar Energy Developments:**

Environmental Impact Assessment for the Proposed Wolmarransstad Solar Energy Facility North West Province. Fauna & Flora Specialist Report for EIA. Savannah Environmental 2015

Environmental Impact Assessment for the proposed Humansrus Solar PV Energy Facility 1 Near Copperton, Northern Cape: Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the proposed Humansrus Solar PV Energy Facility 2 Near Copperton, Northern Cape: Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the proposed Dyasonsklip Solar Energy Facility 1 Near Upington, Northern Cape: Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the proposed Postmasburg Solar PV Energy Facility 2 and Associated Grid Connection Infrastructure, Postmasburg, Northern Cape. Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the proposed Joram Solar Vryheid PV Project, Northern Cape. Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the proposed Richtersveld Solar Farm and Associated Grid Connection Infrastructure. Fauna & Flora Specialist Report for EIA. CapeEAPrac 2015.

Environmental Impact Assessment for the Proposed Re Capital 3 Solar Energy Facility and Associated Grid Connection Infrastructure, Dyason's Klip, Northern Cape. Fauna & Flora Specialist Report for EIA. CapeEAPrac 2013.

Environmental Impact Assessment for the Proposed Richtersveld Solar Farm and Associated Grid Connection Infrastructure. Fauna & Flora Specialist Report for EIA. CapeEAPrac 2014.

Environmental Impact Assessment for the Proposed Bosjesmansberg Solar Energy Facility East of Copperton, Northern Cape Province. Fauna & Flora Specialist Report for EIA. Savannah Environmental 2013.

Specialist Vegetation Assessment for EIA. The Proposed Commercial Concentrated Solar Power Tower Facility and Concentrated Photovoltaic Facility at Van Roois Vley Near Upington. WSP 2012.

Proposed Les Marais \ Buitenfontein 5MW Solar Energy Facility in the Free State: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Savannah Environmental 2013.

Proposed Stella Helpmekaar Solar Energy Facility in the North West Province: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Savannah Environmental 2013.

Proposed Wolmaransstad Municipality 5MW Solar Energy Facility in the North West Province: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Savannah Environmental 2013.

Proposed Heuningspruit PV1 and PV2 Solar Energy Facilities Near Koppies, Free State Province: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Savannah Environmental 2013.

Proposed Hibernia PV Solar Energy Facility near Lichtenburg: Terrestrial Fauna & Flora Specialist Study For Basic Assessment. Savannah Environmental 2013.

Proposed Steynsrus PV1 And PV2 Solar Energy Facilities: Terrestrial Fauna & Flora Specialist Study for Basic Assessment. Savannah Environmental 2013.

Proposed Photovoltaic Solar Energy Facility on Konkoonsies, Northern Cape: Fauna & Flora Specialist Report for Impact Assessment. EScience Associates 2012.

Proposed Padrooi 13 Photovoltaic Solar Energy Facility, Northern Cape: Fauna & Flora Specialist Report for Impact Assessment. EScience Associates 2012.

Adams Photovoltaic Solar Energy Facility, Northern Cape: Fauna & Flora Specialist Report for Impact Assessment. EScience Associates 2012.

Proposed Photovoltaic Solar Energy Facility on Klein Swart Bast, Northern Cape: Fauna & Flora Specialist Report for Impact Assessment. EScience Associates 2012.

Proposed Khoi-Sun Solar Facility. Fauna & Flora Specialist Report for Impact Assessment. Cape EAPrac 2012.

Suurwater 62, Boesmanland 75mw Solar Farm, Aggeneys. Fauna & Flora Specialist Report for Impact Assessment. Cape EAPrac 2012.

Karoshhoek Solar Valley Development, Upington: Fauna & Flora Specialist Impact Assessment Report. Savannah Environmental. 2012.

O’Kiep 3 PV Solar Energy Facility on a Site In O’kiep Near Springbok, Northern Cape Province. Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2012.

Photovoltaic Solar Energy Facility on Voëlklip, South of Springbok. Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2012.

Namaqua Photovoltaic Solar Energy Facility on a Site North of Kamieskroon. Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2012.

Inca Graafwater Photovoltaic Solar Energy Facility, Graafwater, Western Cape Province. Faunal Ecology Specialist Report for Impact Assessment. Savannah Environmental 2012.

Aberdeen Solar Facility. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Venetia Solar Facility. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Southern Cross Solar Energy Facility: Southern Farm 425. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Tutwa Solar Energy Facility: Portion 4 of Narries 7. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Savannah Environmental. 2012.

Valleydora Photovoltaic Solar Power Plant, Free State. Fauna & Flora Specialist Report. CSIR, 2012.

Reddersburg Solar Facility - Fauna & Flora Specialist Assessment. CSIR, 2012.

Melkvele Photovoltaic Solar Power Plant. Fauna & Flora Specialist Report for Basic Assessment. Specialist report for ERM. 2012.

Ruinte Photovoltaic Solar Power Plant. Fauna & Flora Specialist Report for Basic Assessment. Specialist report for ERM. 2012.

Genoegsaam Solar Park. Fauna & Flora Specialist Report for Basic Assessment. Specialist report for ERM. 2012.

Genoegsaam Solar Park. Fauna & Flora Specialist EIA Report. Specialist report for ERM. 2012.

Graspan Solar Facility. Fauna & Flora Specialist Report for Impact Assessment. Specialist report for ERM. 2012.

Olyven Kolk Solar Power Plant, Northern Cape: Botanical and Faunal Specialist Assessment. Specialist Report for Environmental Resources Management (ERM). 2011.

Skuitdrift Solar Facility. Fauna & Flora Specialist Report for Basic Assessment. Specialist Report for Cape EAPrac. 2012.

Beaufort West Solar Facility, Erf 7388 - Fauna & Flora Specialist Assessment. Specialist Report for Cape EAPrac. 2012.

Khoi-Sun Solar Facility. Fauna & Flora Specialist Scoping Report. Specialist Report for Cape EAPrac. 2012.

Boesmanland Solar Farm. Fauna & Flora Specialist Scoping Study. Specialist Report for Cape EAPrac. 2012.

Bitterfontein Solar Plant - Fauna & Flora Specialist Assessment. Specialist Report for Cape EAPrac. 2012.

**Wind Farm Developments:**

Mainstream South Africa Dwarsrug Wind Energy Facility: Fauna & Flora Specialist Impact Assessment Report. Sivist 2014.

Proposed Spitskop Wind Energy Facility near Cookhouse: Fauna & Flora Specialist Study for Impact Assessment. Savannah Environmental 2013.

Environmental Impact Assessment for the Proposed Roggeveld Wind Energy Facility and Associated Grid Connection Infrastructure: Fauna & Flora Specialist Report for EIA. Savannah Environmental 2013.

Proposed Mainstream South Africa Springfontein Wind Energy Facility: Terrestrial Fauna & Flora Specialist Study for EIA. Savannah Environmental 2012.

Environmental Impact Assessment for the Establishment of the Wolseley Wind Farm, Western Cape Province. Fauna & Flora Specialist Report. Arcus Gibb 2012.

Proposed Eskom 300MW Kleinsee Wind Energy Facility. Fauna Specialist Report For Impact Assessment. Savannah Environmental 2012.

Proposed Inca Energy Swellendam Wind Energy Facility: Fauna Specialist Report For Impact Assessment. Savannah Environmental 2012.

Proposed Moorreesburg Wind Energy Facility: Fauna & Flora Specialist EIA Report For Impact Assessment. Savannah Environmental 2014.

Terrestrial Ecology Specialist Study for the Proposed Establishment of a Renewable Energy Facility near Sutherland, Western and Northern Cape Provinces. Environmental Resources Management (ERM) 2011.

Roggeveld Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management (ERM). 2011.

Zen Wind Energy Facility. Fauna & Flora Specialist Impact Assessment Report. Savannah Environmental. 2012.

Proposed Project Blue Wind and Solar Energy Facility, Near Kleinsee. Fauna Specialist Report For Impact Assessment. Savannah Environmental 2012.

Garob Wind Farm: Fauna & Flora Specialist Report for Impact Assessment. Savannah Environmental 2012.

Loeriesfontein Wind Energy Facility – Substation & Grid Connection. Fauna & Flora Specialist Report for Basic Assessment. Savannah Environmental 2012.

Noblesfontein Wind Energy Facility, Victoria West. Ecological Walk-Through Report. Savannah Environmental 2012.

Gouda Wind Energy Facility. Fauna And Flora Walk Through Report. Savannah Environmental 2012.

Klawer 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.

Richtersveld Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management (ERM). 2011.

Witberg Wind Farm: Ecological and Biodiversity Assessment: Terrestrial Vertebrate Fauna & Botanical Specialist Study. Specialist Report for Environmental Resources Management (ERM). 2011.

## **CURRICULUM VITAE**

### **JONATHAN H. MARSHALL**

*Landscape Architect and Environmental Assessment Practitioner for Environmental Planning & Design cc*

#### **SKILLS BASE AND CORE COMPETENCIES**

- Chartered Landscape Architect (UK).
- Certified Environmental Assessment Practitioner of South Africa.
- Visual Impact Assessment utilising the the Government of the Western Cape Guideline for Involving Visual and Aesthetic Specialists in EIA Processes and the Landscape Institute and Institute of Environmental Management and Assessment (UK) Guidelines for Landscape and Visual Impact Assessment.

#### **EMPLOYMENT HISTORY**

- Landscape Assistant, WS Atkins (UK) 1979 – 1981.
- Landscape Architect, Brian Clouston and Partners (Hong Kong) 1981 – 1989.
- Director, Brian Clouston and Partners (Australia) 1989 - 1990.
- Principal Landscape Architect, Gillespies (UK) 1990 – 1992.
- Principal, Opus Environment (UK) 1992 – 1995.
- Director, Environmental Design Partnership (SA) 1995 – 1998.
- Principal, Environmental Planning and Design (SA) 1998 – present.

#### **TERTIARY EDUCATION**

- Diploma in Landscape Architecture, Gloucestershire College of Art and Design, UK (1979).
- Environmental Law Short Course, University of KZN (1997)

#### **SELECTED RELEVANT PROJECT EXPERIENCE**

Visual impact assessments for developments in the Hong Kong, the UK, Ghana Guinea, Gauteng, Free State, KwaZulu-Natal, Mpumalanga. Examples of larger projects include:

- Solar plant projects including photovoltaic and concentrating solar power plants – Numerous projects for Eskom and private clients in the Northern Cape, Limpopo, Mpumalanga and the Free State.
- Proposed new mines and tailings facilities associated with existing mines in Ghana and Guinea.
- Four major shopping centre developments including projects in the UK and South Africa.
- A new international airport development to the north of Durban.
- Heavy industrial developments including a ferrochrome smelter in Richards Bay.
- Numerous new road and road upgrade proposals including projects in Hong Kong, the UK and South Africa.
- Long term landfill planning in the Durban area.
- Numerous power line proposals including projects for Eskom in the Free State and KwaZulu Natal.
- Aesthetic guideline documents including building massing in Hong Kong, development around estuaries in KwaZulu Natal.
- The provision of visual impact assessments as evidence for legal processes including parliamentary debate (UK), public enquiry (UK) and planning appeal (South Africa)
- Review of specialist reports prepared by other experts.

## **CURRICULUM VITAE**

### **MORNE DE JAGER**

*M2 Environmental Connections cc*

*Founding member of the Closed Corporation*

#### **SKILLS BASE AND CORE COMPETENCIES**

- Water monitoring programme design
- Water Quality Analysis and Modelling
- Environmental Auditing,
- Noise Monitoring, Modelling and Control
- Biological Monitoring
- Environmental Impact Assessment and Management
- IT skills (software as well as hardware)
- Conflict resolution and stakeholder facilitation.

#### **TERTIARY EDUCATION**

B.Eng (Chem) (University of Pretoria)

#### **EMPLOYMENT HISTORY**

- Department of Water Affairs and Forestry (1998 – 2001; Pollution Control Officer)
- EcoSat (2001 – 2002; Environmental Monitoring, Control and Management)
- Menco (2002 – current; See above)
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#### **SELECTED RELEVANT PROJECT EXPERIENCE**

- Noise Impact Assessment for Skychrome (Pty) Ltd (A Ferro-chrome mine)
- Noise Impact Assessment for Mooiooi Chrome Mine (Western Chrome Mines)
- Noise Impact Assessment for Buffelsfontein East and West (Western Chrome Mines)
- Noise Impact Assessment for Elandsdrift (Sylvania)
- Noise Impact Assessment for Jagdlust Chrome Mine (Eastern Chrome Mines),
- Noise Impact Assessment Apollo Brick (Pty) Ltd (Clay mine and brick manufacturer).