

CURRICULUM VITAE

JO-ANNE THOMAS

Profession : Environmental Consultant

Specialisation : Strategic environmental assessment and advice; project management and co-ordination of environmental projects; environmental compliance monitoring; Environmental Impact Assessment; environmental management; peer review; policy, strategy and guideline formulation; renewable energy projects, hydrology and water management

Work experience : 14 years

SKILLS BASE AND CORE COMPETENCIES

- » Project management for a range of environmental processes undertaken for development projects
- » Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data
- » Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation
- » Identification of practical and achievable mitigation and management measures and the development of appropriate management plans
- » Compilation and review of environmental reports in accordance with relevant environmental legislative requirements
- » Formulation of environmental policies, strategies and guidelines
- » Undertaking public participation processes for a variety of projects
- » Providing strategic environmental advice to a wide variety of clients both in the public and private sectors
- » Registered Professional Natural Scientist (Registration No 400024/00)

TERTIARY EDUCATION

- » 1993, BSc (Earth Sciences), University of the Witwatersrand
- » 1994 BSc Hons (Botany), University of the Witwatersrand
- » 1996, MSc (Botany), University of the Witwatersrand

EMPLOYMENT HISTORY

- » 2006 – present: Savannah Environmental (Pty) Ltd: Director; Environmental Scientist
- » 1997 – 2005: Bohlweki Environmental (Pty) Ltd: Environmental Scientist

SELECTED RELEVANT PROJECT EXPERIENCE

- » EIAs and EMPs for various wind energy facility developments across South Africa
- » EIAs and EMPs for various solar energy developments across South Africa
- » Site selection for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- » Opportunities and constraints assessment for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- » EIAs and EMPs for various projects throughout South Africa

CURRICULUM VITAE
RAVISHA AJODHAPERSADH

Profession : Environmental Consultant
Specialisation : Environmental Management
Years experience : Three

KEY RESPONSIBILITIES

- Providing consulting services to clients for Environmental-related matters.
- Conducting Environmental Impact Assessment (EIA) processes.
- Preparation of EIA reports.

SKILLS BASE AND CORE COMPETENCIES

- Report Writing
- Site Investigation
- Environmental Auditing
- Co-ordination and management of project teams
- Co-ordinating and conducting Public Involvement processes.
- Preparing maps (using GIS)
- Administrative tasks (minutes of meetings)

EDUCATION AND PROFESSIONAL STATUS

- B Soc Sci (Environmental Management) obtained from the University of Natal in 2005.
- (Hons) (BSc) (Environmental Management) obtained from the University of South Africa in 2010.

EMPLOYMENT

1. June 2007 – April 2009

Name of Employer: Nemaï Consulting

Position: Environmental Consultant

2. May 2009 – August 2009

Name of Employer: Environmental Impact Management Services

Position: Environmental Control Officer

3. September 2009 – Present

Name of Employer: Savannah Environmental

PROJECT EXPERIENCE

1. **EIA** for the Proposed Suurplaat Wind Energy Facility, near Sutherland Western and Northern Cape Provinces.
2. **EIA** for the Proposed West Coast One Wind Energy Facility, near Vredenburg Western Cape Province.
3. **EIA** for the Proposed Rhebokfontein Wind Energy Facility, near Darling Western Cape Province.
4. Scoping Report for the Proposed Uyekraal Wind Energy Facility, near Vredenburg Western Cape Province.
5. **EIA** for the PV Facility of Farm UPA near Upington, Northern Cape Province
6. **EIA** for the Kleinbegin PV Facility near Groblershoop, Northern Cape Province

CURRICULUM VITAE
LOURENS MARTINUS DU PLESSIS

MetroGIS (Pty) Ltd

Visual Assessment and Geographic Information Systems Specialist

SKILLS BASE AND CORE COMPETENCIES

- More than 17 years experience in the application of Geographical Information Systems (GIS) in Environmental Planning and Management.
- Extensive practical knowledge in spatial analysis, environmental modelling and digital mapping.
- Experience in applying GIS in EIAs, State of the Environment Reports and Environmental Management Plans.

TERTIARY EDUCATION

- BA (University of Pretoria) Geography and Anthropology (Malors), 1993

EMPLOYMENT HISTORY

1999-present: MetroGIS, Director

1997-1999: GISBS, Project Manager

1990-1997: GisLAB c, Project Manager / Member

SELECTED RELAVANT PROJECT EXPERIENCE

- Visual Impact Assessments and Viewshed Analysis for various types of developments, including telecommunications structures, mining activities and tourism accommodation in National Parks and other environmentally sensitive areas. Some recent and current projects include:
 - * Proposed Altantis Open Cycle Gas Turbine power station.
 - * Matimba B proposed coal-fired power station.
 - * Zues to Mercury transmission line (comparative viewshed analysis)
 - *Mercury-Ferrum-Garone transmission line intergration
 - *Mmamambula (Botswana) transmission line and power station viewshed analysis Kynoch Gypsum Tailings dam extension
 - *N1 Western Bypass Shell service station
 - *Coega regional hazardous waste processing facility.
 - *Robinson Deep landfill extension
 - Concentrating Solar Power (CSP) plant
- EIAs for the utilisation of GIS based systems to determine and manage environmental impacts. Various projects in South Africa.

CURRICULUM VITAE

DAVID HOARE

Ecologist

SKILLS BASE AND CORE COMPETENCIES

Ecological consultant since 1995. Author of over 200 specialist ecological consulting reports. Wide experience in botanical studies within grassland, savanna and fynbos, as well as riparian, coastal and wetland vegetation.

Main areas of specialization:

- Vegetation ecology, primarily in grasslands, thicket, coastal systems, wetlands
- Plant biodiversity and threatened species specialist
- Remote sensing, analysis and mapping of vegetation
- Specialist consultant for environmental management projects

TERTIARY EDUCATION

- Matric - Graeme College, Grahamstown, 1984
- B.Sc (majors: Botany, Zoology) - Rhodes University, 1991-1993
- B.Sc (Hons) (Botany) - Rhodes University, 1994 with distinction
- M.Sc (Botany) - University of Pretoria, 1995-1997 with distinction
- PhD (in progress) – Nelson Mandela Metropolitan University, Port Elizabeth, "Patterns and determinants of plant biodiversity in temperate, mesic grasslands of South Africa" under supervision of Prof. Richard Cowling

EMPLOYMENT HISTORY

- 1 February 1998 – 30 November 2004, Researcher, Agricultural Research Council, Range and Forage Institute, Private Bag X05, Lynn East, 0039. Duties: project management, general vegetation ecology, remote sensing image processing.
- 1 December 2004 – present, Member, David Hoare Consulting cc no. 2001/034446/23. Consultant, specialist consultant contracted to a number of existing companies and organisations.
- 1 January 2009 – 30 June 2009, Lecturer, University of Pretoria, Botany Dept.

SELECTED RELEVANT PROJECT EXPERIENCE

- Vegetation pattern in Pilanesberg National Park using digital photogrammetric data preparation techniques, 1 August – present.
- VegMap digital mapping and description of vegetation units of Eastern Cape for new national vegetation map (Dept. of Environmental Affairs and Tourism/National Botanical Institute) and contributions to text and vegetation descriptions in accompanying booklet.
- Classification and mapping of the savanna biome of South Africa using remote sensing techniques, 1 February 1998 – 20 November 1999.
- Natural resource survey of nodes O R Tambo and Maputuland, using remote sensing techniques, 1 November 2001 – December 2003.
- Field data collection for National Land Cover Change Project, Dec 2003 – March 2004.
- Vegetation survey of KwaMhlanaga Landcare site, March 2004.
- Scale physiognomic survey of Suikerbosrand Nature Reserve, 1 March 1998 – 1 April 1998.
- Natural resource survey of Mpumalanga, South Africa, using remote sensing techniques, 1 November 1998 – 2000.
- Vegetation of the corridor of the proposed Eskom powerline from Port Elizabeth to Bedford. September 2000.

CURRICULUM VITAE

INGRID SNYMAN

Profession : Social Consultant

Specialisation : Social Impact Assessment

Years experience : 14 years

SKILLS BASE AND CORE COMPETENCIES

- Social Impact Assessment
- Public Participation Programmes
- Communication, development of community structures, community facilitation
- Workshop reports

TERTIARY EDUCATION

- 1992: BA (Political Science), University of Pretoria
- 1995: BA Hons (Anthropology), University of Pretoria

EMPLOYMENT HISTORY

- 1996 – 2000: Afrosearch (Pty) Ltd
- 2000 – 2010: Independent Consultant

SELECTED RELEVANT PROJECT EXPERIENCE: SOCIAL IMPACT ASSESSMENTS (SIA)

- Wag'nbiekiespan Solar Energy Facility, Northern Cape Province
- Kathu and Sishen Solar Energy Facilities, Northern Cape Province
- Public Participation and SIA for the proposed Thupela Waterberg Photovoltaic Plant, Limpopo Province
- Mitchells Plain-Firgrove-Stikland Transmission Line, Western Cape
- Ariadne-Venus Transmission Line, KwaZulu Natal
- Socio-Anthropological Study for the proposed Booyendal Mine, Mpumalanga
- Dominion Reefs Power Line project, North West Province
- Kannikwa Vlake Wind Farm Project, Northern Cape
- Extension of the Wemmershoek Wastewater Treatment Works (WWTW), decommissioning of the
Franschhoek WWTW and construction of a transfer and outfall sewer between the two works,
Franschhoek, Western Cape
- Public Participation process as part of the EIA for the proposed new Ferrochrome Smelter near Brits
in the North West Province
- Lefaragathle, Mogono, Rasimone, Chaneng outfall sewer and Chaneng sewer treatment plant,
Rustenburg (Phokeng), North West Province
- Vlakfontein Residential Development, Brakpan, Gauteng
- Dorstfontein Mine Western Expansion Project and other extensions, Kriel, Mpumalanga
- Metrorail's upgrading of railway stations and railway line in Mamelodi, Gauteng
- Kyalami Strengthening Project, Kyalami, Gauteng
- ACSA Remote Aprons Project, O.R. Tambo International Airport, Gauteng
- Cullinan Estate Development, Cullinan, Gauteng

CURRICULUM VITAE
JACO VAN DER WALT

Profession : *Archaeologist*

Specialisation : *Cultural Resource Management and Iron Age Archaeology*

Work experience : *10 years*

SKILLS BASE AND CORE COMPETENCIES

- Archaeological Impact Assessments
- Heritage Impact Assessments
- Heritage Management Plans
- Archaeological research projects
- Cultural resource management
- Phase II cultural resource management projects: archaeological excavations
- Grave relocation
- Project Management

TERTIARY EDUCATION

- 2001, BA Archaeology (Cultural Heritage Tourism), University of Pretoria (SA)
- 2002, BA Archaeology (Hons) , University of Witwatersrand (SA)
- Present, Masters Archaeology, University of Witwatersrand (SA)

EMPLOYMENT HISTORY

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

SELECTED RELEVANT PROJECT EXPERIENCE

- Archaeological Impact Assessment for the Chronimet Underground Mine, Opencast mine, process plant, Amandelbult, Limpopo Province.
- Archaeological And Palaeontological Impact Assessment For The Updated EMP for Trans Hex Mining Operations, Richtersveld, Northern Cape
- Archaeological Impact Assessment for Sasol's project Mafuta, Lephalale, Limpopo Province.
- Archaeological and Heritage Statement for the Proposed Lg5 Opencast Mining Area, North West Province
- Field supervisor at Mapungubwe (World Heritage Site) Archaeological Rehabilitation project
- Field Director for Iron Age mitigation for chrome Mining by Heric Ferrochrome, North West Province.
- Field Director phase 2 documentation for The Heads Trust, Heritage Assessment, and monitoring for Lydenburg Ext 38 housing development, Lydenburg, Mpumalanga, principle investigator Prof. T. Huffman
- Field Director phase 2 documentation for Sterkspruit housing development, Lydenburg, Mpumalanga.
- Field Director Middle Iron Age Mitigation For Wesizwe Platinum mining, principle investigator.
- Field Director Phase 2 documentation of Khoni Iron Age Settlement Lydenburg.
- Field Director for the Archaeological Mitigation For Booyensdal Platinum Mine, Steelpoort, Limpopo Province.
- Monitoring of heritage sites affected by the ARUP Transnet Multipurpose Pipeline from Jhb to Durban
- Field Director for the Phase 2 mapping of a late Iron Age site located on the farm Kameelbult, Zeerust, North West Province.

CURRICULUM VITAE
JOHAN VAN DER WAALS

SKILLS BASE AND CORE COMPETENCIES

Soil Scientist

HIGHER EDUCATION

BSc Soil Science and Botany Cum Laude, 1995, Potchefstroom University for CHE

BSc Honours Soil Science and Plant Nutrition, 1999, University of Pretoria

MSc Soil Science and Plant Nutrition, 2001, University of Pretoria

PhD Soil Science, 2006, University of Pretoria

PROFESSIONAL REGISTRATION

Soil Science Society of South Africa (SSSSA) – Member

South African Soil Surveyors Organisation (SASSO) – Accredited Member

South African Council for Natural Scientific Professions – Reg. no. 400160/08

EMPLOYMENT HISTORY

Johan Van Der Waals was a staff member in the department of Plant Production and Soil Science of the University of Pretoria from 1999 to 2007 and presented 13 courses of which many were self-developed. His strongest course was Soil Classification in which the students were intensively exposed to the South African Taxonomic System as well as to the World Reference Base for Soil Resources (WRB) of the Food and Agriculture Organisation (FAO) of the United Nations (UN) and the United States Department of Agriculture's (USDA) Soil Taxonomy. During his tenure at the University of Pretoria he was actively involved in research on soils. Since the establishment of Terra Soil Science CC, Johan has been involved in a range of soil consulting services. The bulk of the contribution to the industry entails soil surveys for EIAs as well as soil management plans and soil based wetland surveys and delineations. The recent focus on wetland conservation in SA led to a range of surveys to determine the status and extent wetlands that have had some form of human impact.

SELECTED RELAVANT EXPERIENCE

- EIA Soil Study and assessment for the Porposed Osyter Bay Wind Energy Facility, Eastern Cape Province
- EIA Soil study and assessment for Inca De Aar Pv Facility, Northern Cape
- EIA Soil study and assessment for Solar Capital PV Project near De Aar, Northern Cape
- EIA Soil study and assessment for Kakamas PV Facility, Northern Cape
- EIA Soil study and assessment for Rustmo1 Pv Facility, North-West Province