

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 : 12 years

SKILLS BASE AND CORE COMPETENCIES

- Twelve years experience in the environmental field
- 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

ALICIA GOVENDER

Profession : Environmental Consultant

Years experience : 3

SKILLS BASE AND CORE COMPETENCIES

- Professional execution of consulting services
- Reporting for a variety of projects

TERTIARY EDUCATION

- 2004 – 2006: BSc (Social Science, Geography and Environmental Management), University of KwaZulu-Natal
- 2007: BSc Hons (Environmental Management), University of South Africa

EMPLOYMENT HISTORY

- 2008 – Present: Savannah Environmental (Pty) Ltd, Environmental Consultant
- 2007 - 2008, Fraser Alexander Tailings, Trainee Environmental Technical Risk Officer
- 2007: Department of Agriculture and Environmental Affairs through the School of Environmental Sciences (Geography) (Durban)

SELECTED RELEVANT PROJECT EXPERIENCE

- EIA & EMP for the upgrade of the Hartebeestfontein Wastewater Care Works: ERWAT
- EIA & EMP for the extension of the Welgedacht Wastewater Care Works: ERWAT
- Operational EMP for the Medupi Power Station: Eskom
- Educational Booklet for the Environmental Management Plan for Medupi Power Station construction
- ECO Audit Reports for De Hoop Dam
- Public Participation for the Tshwane Strengthening Project Phase 1: Eskom Transmission
- Basic Assessment for Wind Monitoring Masts for sites-Laingsburg and Beaufort West: Umoya
- Basic Assessment for Wind Monitoring Masts for sites North of Koekenaap: Mulilo
- Basic Assessment for the Proposed Bus and Taxi facility in the Dilokong Area- SANRAL
- Basic Assessment for the Proposed Wind Monitoring Masts in the Overberg Area- BioTherm Energy
- EIA for the proposed Wind Energy Facility in the Overberg area near Caledon- BioTherm Energy

CURRICULUM VITAE

DAVID HOARE

Profession : Ecologist
Specialisation : Ecology
Years experience : 15

SKILLS BASE AND CORE COMPETENCIES

- Vegetation description and ecology, primarily in grasslands, thicket, savanna, fynbos, coastal systems and wetlands
- Plant biodiversity and threatened species surveys
- Fauna threatened species assessments
- Remote sensing and mapping of vegetation
- Specialist environmental impact assessments

TERTIARY EDUCATION

- 1991 – 1993: BSc (Botany, Zoology), Rhodes University
- 1994: BSc Hons (Botany), Rhodes University
- 1995 - 1997: MSc (Botany), University of Pretoria
- 2001 – 2010 PhD (Botany), Nelson Mandela Metropolitan University

EMPLOYMENT HISTORY

- February 1998 - November 2004: Researcher, Agricultural Research Council, Range & Forage Institute
- January 2009 - June 2009: Lecturer, University of Pretoria
- December 2004 – present: Specialist consultant, David Hoare Consulting cc

SELECTED RELEVANT PROJECT EXPERIENCE

- Specialist ecological study on the potential impacts of the proposed Upington Solar Energy Facility Project, Upington, 2010, Northern Cape
- Specialist ecological study on the potential impacts of the proposed Riverbank Wind Energy Facility Project, Humansdorp, 2010, Eastern Cape
- Specialist ecological study on the potential impacts of the proposed Wag'nbietjiespan Solar Energy Facility Project, Boshoff, 2010, Free State
- Specialist ecological study on the potential impacts of the proposed Pofadder Solar Energy Facility Project, Pofadder, 2010, Northern Cape
- Specialist fauna study on potential impacts of the proposed Klipheuwel / Dassiesfontein Wind Energy Facility Project, Caledon, 2010, Western Cape
- Specialist ecological study on the potential impacts of the proposed Kathu and Sishen Solar Energy Facility Project, Kathu, 2010, Northern Cape
- Specialist ecological study on the potential impacts of the proposed Happy Valley Wind Energy Facility Project, Humansdorp, 2010, Eastern Cape
- Specialist fauna study on potential impacts of the proposed Exxaro West Coast Wind Energy Facility Project, Bitterfontein, 2010, Western Cape
- Specialist fauna study on potential impacts of the proposed West Coast One Wind Energy Facility Project, Vredenburg, 2010, Western Cape
- Specialist fauna study on potential impacts of the proposed Rhebokfontein Wind Energy Facility Project, Darling, 2010, Western Cape
- Specialist ecological study on the potential impacts of the proposed Suurplaats Wind Energy Facility Project, Sutherland, 2010, Western Cape

CURRICULUM VITAE
JOHAN VAN DER WAALS

Profession : Soil Scientist
Years experience : 13 years

TERTIARY EDUCATION

- 1995: BSc (Soil Science and Botany), Potchefstroom University
- 1999: BSc Hons (Soil Science and Plant Nutrition), University of Pretoria
- 2001: MSc (Soil Science and Plant Nutrition), University of Pretoria
- 2006: PhD (Soil Science), University of Pretoria

PROFESSIONAL REGISTRATION

- Soil Science Society of South Africa
- South African Soil Surveyors Organisation
- South African Council for Natural Scientific Professions – Reg. no. 400160/08

EMPLOYMENT HISTORY

- 1999 – 2007: Department of Plant Production and Soil Science, University of Pretoria
- Establishment of Terra Soil Science CC

SELECTED RELEVANT PROJECT EXPERIENCE

- Van der Waals, J.H., & Claassens, A.S. 2002. Accurate lime recommendations under South African conditions. *Commun. Soil Sci. Plant Anal.*, 33(15-18), p 3059-3074
- Van der Waals, J.H., Snyman, H.G. & Claassens A.S. 2005. Increase in metal extractability after liming of sacrificial sewage sludge disposal soils. *Water SA* 31(2) p. 271-273
- Jackson, C.R., Lubbe, N.R., Robertson, M.P., Setsaas, T.H., Van der Waals, J. & Bennett, N.C. 2008. Soil properties and the distribution of the endangered Juliana's Golden Mole. *Journal of Zoology* 274(2008) 13-17
- Conference Proceedings Publications
- Van der Waals, J.H., Van der Merwe, C. & Erdmann, R. 2007. Detail assessment of metal distribution in polluted soil – a South African case study. In Fourie, A., Tibbett, M. & Wiertz, J. (Eds.), *Proceedings of the Second International Seminar on Mine Closure, Santiago, Chile, 16-19 October, 2007.* pp 8 5-820
- Snyman, H.G. & van der Waals, J.H. 2004. Laboratory and field scale evaluation of agricultural use of sewage sludge. WRC Report No. 1210/1/04. ISBN: 1- 77005-230-5, Water Research Commission, Pretoria

CURRICULUM VITAE
LOURENS MARTINUS DU PLESSIS

Profession : Geographer,
Specialisation : Environmental GIS
Years experience : 17 years

SKILLS BASE AND CORE COMPETENCIES

- The application of computerised systems in environmental planning and management, impact assessments and spatial modelling
- Data Sourcing and Acquisition, data capture, data evaluation, data conversion & transfer, GIS database development, implementation & maintenance, spatial analysis (visibility, slope, aspect, etc.), digital elevation modelling, terrain evaluation, image processing, impact assessment and impact management, environmental management, decision support systems interface development, map production, display, queries & reporting
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TERTIARY EDUCATION

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

EMPLOYMENT HISTORY

- April 1990 – September 1997: Project Manager GisLAB CC
- October 1997 – October 1999 Project Manager, GISBS
- November 1999 – present: Director, MetroGIS (Pty) Ltd

SELECTED RELEVANT PROJECT EXPERIENCE

- Visual Impact Assessments and viewshed analyses for various types of developments, including telecommunication structures, mining activities, renewable energy facilities and tourism accommodation in National Parks and other environmentally sensitive areas, some recent or current projects include:
 - Environmental Management Frameworks (EMF) for South Africa at a provincial (1:250 000) scale
 - Spatial Development Initiatives (SDI) for Lubombo SDI, Coega Industrial Development Zone, West Coast SDI and Wild Coast SDI
 - EMF's (Digital Decision Support Systems) at local council scale for Hennops River, Centurion, Windhoek, the Alexandra Renewal Project, Siyanda District Municipal area, Ekurhuleni, etc
 - Gauteng Open Space Project (GOSP) GIS-based open space planning for the Gauteng Province.
 - Gauteng Communication Strategy (GAUCONS) environmental control zones to regulate the construction of telecommunication masts
 - SEA (Strategic Environmental Assessments) for Faerie Glen Nature Reserve and Rustenburg Municipality (Priority Area 1)
 - Environmental Impact Assessments (EIA) the utilisation of GIS based systems to determine and manage environmental impacts. Various projects all over South Africa
 - GIS services for the Limpopo National Park (Trans-frontier Peace Park) in Mozambique
 - Gauteng Supplementation and Implementation of EIA Regulations Project

CURRICULUM VITAE

SHAWN JOHNSTON

Sustainable Futures ZA

Process Facilitator

SKILLS BASE AND CORE COMPETENCIES

- Facilitator, Mediator and Trainer
- Planning, Process Design and Conceptualising
- Facilitation, Public and Stakeholder Liaison
- Process co-ordination, problem-solving and negotiation skills.

TERTIARY EDUCATION

- B.Tech Environmental Management – Cape Peninsula University of Technology, Cape Town
- National Diploma in Horticulture, Cape Technikon, Cape Town
- Certificate in Conflict Resolution and Environmental Mediation, Partnership Lifeskills Centre/ Global Future Links- Washington DC, USA

EMPLOYMENT HISTORY

- Leadership South Programme
- FutureLinks South Africa
- Common Ground Consulting
- Sustainable Futures ZA

SELECTED RELEVANT PROJECT EXPERIENCE

- LEAD FACILITATOR, OLIFANTS/ DORING RIVER WATER USER ASSOCIATION CAPACITY BUILDING PROJECT. (Current). Facilitation and co-ordinator of the Olifant/ Doring Water User Association Capacity Building for commercial farmers and emerging black farmers.
- ESKOM PROCESS FACILITATOR. ESKOM ANKERLIG CLOSED CYCLE GAS TURBINE CONVERSATION PROJECT AND ASSOCIATED PROJECT, ATLANTIS, CAPE TOWN. (Current) Responsible for facilitating the public participation process for the Eskom Ankerlig gas turbine conversion from OCTG to CCGT and associated EIA studies.
- ESKOM PUBLIC PARTICIPATION PROCESS, ESKOM WIND ENERGY FACILITY, WEST COAST OF SOUTH AFRICA (Current) Responsible for facilitating the public participation process for the EIA process near Koekenaap in the Matzikama Municipality, Cape West Coast.
- PART TIME LECTURER, WATER AND CONFLICT, INTEGRATED WATER RESOURCES MANAGEMENT PROGRAMME AT THE UNIVERSITY OF THE WESTERN CAPE (2006-current). Assisted with establishing the first water and conflict resolution module in the MSc Integrated Water Resource Management degree course.

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 Impact Assessment For The Proposed Onderstepoort Ext 25 Mixed Use Development On Portion 116 Of The Farm De Onderstepoort 300 Jr, Pretoria, Gauteng Province
- Archaeological Impact Assessment for the Simmerpan Strengthening Project - Powerlines And New Substation, Johannesburg, Gauteng 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, Lephallale, Limpopo Province.
- Archaeology and Cultural Heritage Report for the proposed Estima Coal Mine, Mozambique
- Archaeological Impact Assessment. Proposed Sekampaneng Bulkwater Pipeline, Sekampaneng Township, Hammanskraal, Gauteng Province
- Archaeological /Cultural Heritage Statement Report for the Proposed Mkuju River Uranium Project, Tanzania
- Archaeological Impact Assessment for Todal Mining, Bokai Platinum Project, , Gweru, Zimbabwe
- Archaeological and Heritage Statement for the Proposed Lg5 Opencast Mining Area, North West Province
- Archaeological Impact Assessment Proposed Cot Wildebees 400/132 Kv Substation And Loop In Lines, On Portions Of The Farms Pienaarspoort 338 & 339 JR And Hatherley 331 JR, Gauteng Province
- Field supervisor at Mapungubwe (World Heritage Site) Archaeological Rehabilitation project
- Field Director for Iron Age mitigation at Gardner Ross Country and Golf Estate.
- Field Director for Iron Age mitigation for chrome Mining by Herculite 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 Early Iron Age mitigation at Apel extension 1 principle investigator A. Pelsler
- Field Director Middle Iron Age Mitigation For Wesizwe Platinum mining, principle investigator.
- Field Director Phase 2 documentation of Historical Fort Howard, Lydenburg for Thaba Tshewu Municipality.
- Field Director Phase 2 documentation of Khoni Iron Age Settlement Lydenburg.
- Field Director Phase 2 documentation of Historical and Late Iron Age sites, Wentzelrust industrial development, Shoshanguve, Gauteng.
- Field Director for the Archaeological Mitigation For Booyendal Platinum Mine, Steelpoort, Limpopo Province.
- Monitoring of heritage sites affected by the ARUP Transnet Multipurpose Pipeline.
- Field Director for the Phase 2 mapping of a late Iron Age site located on the farm Kameelbult, Zeerust, North West Province.
- Field Director for the Phase 2 surface sampling of Stone Age sites effected by the Medupi – Spitskop Power Line, Limpopo Province
- Rescue excavation re-interment of 253 graves at Douglas Colliery Mpumalanga. Principle Investigator A. Pelsler.
- Rescue excavation and re-interment of 103 graves for Mafube Collieries, Middelburg Mpumalanga. Principle Investigator A. Pelsler
- Rescue excavation and re-interment of 102 graves for Exxaro Coal Mine , Belfast, Mpumalanga. Principle Investigator A. Pelsler.
- Rescue excavation of a Late Iron Age grave at Erasmus Castle, Pretoria, Gauteng Province.