

CURRICULUM VITAE

KAREN JODAS

*Director: Savannah Environmental (Pty) Ltd
Environmental Scientist (MSc, Pr.Sci.Nat)*

SKILLS BASE AND CORE COMPETENCIES

- Eleven (11) years experience in the environmental management and assessment field
- Nine (9) years experience in Project Management
- Project management of large environmental assessment & environmental management projects
- Experienced in the identification & assessment of potential environmental impacts & benefits
- Experienced in the development of practical & achievable mitigation measures & management plans, and evaluation of risk
- Experienced in the formulation of environmental strategy, policy & guidelines
- Working knowledge of environmental planning processes, policies, regulatory frameworks & legislation
- Experienced in the compilation and review of the reports in accordance with all relevant environmental legislation
- Wide range of experience for public and private sector projects - completed more than 50 environmental projects for a wide variety of Clients
- Experienced in undertaking public participation processes for a variety of projects
- Completed projects in all nine Provinces of South Africa, as well as Zambia and Lesotho
- *Specialisation:* Strategic environmental assessment and advice; Project Management and co-ordination of environmental projects; Environmental Management; Environmental Impact Assessment; Integration of environmental studies and environmental processes into larger engineering-based projects and ensuring compliance to legislation and guidelines; Hydrology and Water Management; General Ecology
- Registered Professional Natural Scientist (Registration No 400106/99)

TERTIARY EDUCATION

B.Sc Earth Sciences, majoring in Geography and Zoology, *Rhodes University, Grahamstown, 1993*

B.Sc Honours in Geography (in Environmental Water Management), *Rhodes University, Grahamstown, 1994*. Major subjects included Water Resources Management, Streams Ecology, Fluvial Geomorphology and Geographic Information Systems.

M.Sc in Geography (Geomorphology), *Rhodes University, Grahamstown, 1996*

Water Quality Management, *Potchefstroom University, 1998*

Environmental Law Course, *Aldo Leopold Institute, 2002*

EMPLOYMENT HISTORY

Nov 2006 – present: Savannah Environmental (Pty) Ltd: Director; Environmental Scientist

Oct 1997 – Oct 2005: Bohlweki Environmental (Pty) Ltd: Associate, Environmental Scientist

SELECTED RELEVANT PROJECT EXPERIENCE

- EIA and EMP for the proposed wind energy facility and associated infrastructure at a site within the Western Cape (Eskom Generation) – project management & report compilation
- Development of a comprehensive site-specific EMP for the construction and operation of the Eskom Braamhoek Integration Project, Free State and KwaZulu-Natal Provinces (Eskom Transmission) - project management & report compilation
- EIA and EMP for the proposed Steelpoort Integration Project, Mpumalanga & Limpopo Provinces (Eskom Transmission) – report compilation
- Environmental Scoping Study for a new coal-fired power station in the Lephalale area, Limpopo Province (Eskom Generation) – report compilation
- Detailed Environmental Scoping Study & public participation for the proposed Capacity Increase Project at Arnot Power Station, Mpumalanga Province (Eskom Generation) - report compilation
- Numerous EIAs for various electricity sector projects (generation, transmission & distribution) in all nine provinces of South Africa

CURRICULUM VITAE

Riaan Robbeson

Specialist Investigator (Ecology, Botany)
Environmental Scientist (MSc, Pr.Sci.Nat)

SKILLS BASE AND CORE COMPETENCIES

Riaan A.J. Robbeson is an experienced ecologist, having obtained his Masters degree in Plant Ecology at the University of Pretoria while working as a research assistant on the National Grassland Biome Project. His involvement in specialist environmental studies followed naturally after graduation and he has since 1998 been involved in numerous projects that related to his field of expertise, ranging in size from a few hectares to provincial scale. Extensive experience has subsequently been obtained on the status and reaction of the natural environment to development and the assessment thereof. In addition to pure scientific investigations, he has also developed and successfully implemented several biodiversity monitoring programmes on mining areas. International projects include areas such as Botswana and Mozambique. Project management include the management of other specialist investigators and the ecological integration of biodiversity data and reports. On a personal level, Riaan is an avid amateur wildlife photographer and is also compiling a personal database of photographs of South African wild flowers.

TERTIARY EDUCATION

B.Sc. Botany and Zoology, University of Pretoria (1987 – 1991)

B.Sc. (Hons) Botany, University of Pretoria (1992)

M.Sc. Plant Ecology, University of Pretoria (1994 – 1998)

EMPLOYMENT HISTORY

- Research Assistant at University of Pretoria - doing Botanical surveys, plant identifications, data capturing, data analysis, report compilation, phytosociological descriptions, Post graduate Masters Publications. (1994 – 1998)
- Member of EkoInfo cc - doing Project acquisition, site investigations, data analysis, report compilation, GIS mapping, selected peer review for publications and specialist reports. (1995-1999)
- Member of Bathusi Environmental Consulting – doing Project acquisition, project management, site investigations, data analysis, report compilation, GIS mapping, selected peer review for publications and specialist reports, financial administration 1999 - present

SELECTED RELEVANT PROJECT EXPERIENCE

- Biodiversity Impact Assessment of the Matimba B Power Station
- Biodiversity Scoping assessment of the proposed Matimba Integration
- Biodiversity Scoping Assessment of the proposed Epsilon Sub station
- Environmental Monitoring Committee for the Medupi Power Station
- Biodiversity Impact Assessment of the Matimba – Dinaledi Power lines
- Biodiversity Impact Assessment of the Matimba – Marang Power lines

CURRICULUM VITAE

Johan Abraham van Schalkwyk

National Cultural History Museum, Pretoria

Senior researcher, Anthropology and Archaeology

SKILLS BASE AND CORE COMPETENCIES

- Did more than 700 impact assessments (archaeological, anthropological and social) for various departments and companies. Projects include powerlines, roads, pipelines, dams, mine developments, water purification works, historical landscapes, refuse dumps and urban developments.

TERTIARY EDUCATION

BA. – 1976 (UP)

BA. (Hons.) Archaeology - 1978 - (with distinction) (UP)

Post Graduate Diploma in Museum Science – 1979 (UP)

BA. (Hons.) Anthropology - 1981 - (with distinction) (UP)

MA. Anthropology – 1985 (UP)

D. Litt et Phil (Anthropology) – 1996 (UNISA)

EMPLOYMENT HISTORY

1992 - present: Senior researcher: Head of Department of Research. Manage an average of seven researchers in this department and supervise them in their various research projects. Also do various projects relating to Anthropology and Archaeology in Limpopo Province, Mpumalanga, North West Province and Gauteng. Am also in charge of the Museum's section for Heritage Impact Assessment projects. Have done work in this regard in Limpopo Province, Gauteng, Mpumalanga, North West Province, KwaZulu-Natal, Western Province, Botswana, Lesotho and Swaziland. Curated various exhibitions at different museums.

1978 - 1991: Curator of the Anthropological Department of the Museum. Carried out extensive fieldwork in both anthropology and archaeology and HIA projects all over Mpumalanga, Limpopo Province and Gauteng. Curated various exhibitions at different museums.

1976 - 1977: Assistant researcher responsible for excavations at various sites in Limpopo Province and Mpumalanga.

SELECTED RELEVANT PROJECT EXPERIENCE

- Van Schalkwyk, J.A. 2002. A survey of cultural resources for the proposed new Twickenham-Paschaskraal-Hackney mining development, Sekhukhune District, Northern Province. Unpublished report 2002KH03 – Naledi Development.
- Van Schalkwyk, J.A. 2003. Escom transmission line - Duvha (Witbank) to Janus (Mecklenburg): Cultural heritage scoping report. Unpublished report 2003KH01 –EIMS.
- Van Schalkwyk, J.A. 2007. Final survey report and mitigation recommendations for cultural heritage resources in the De Hoop dam, Steelpoort River, Limpopo Province. Unpublished report DHD2007/01 – BKS (pty) Ltd.

CURRICULUM VITAE

Lourens Martinus du Plessis

MetroGIS (Pty) Ltd.

Director

SKILLS BASE AND CORE COMPETENCIES

- Data Sourcing and Acquisition
- Data Capture
- Data Evaluation
- Data Conversion and Transfer
- GIS Database Development, Implementation and Maintenance
- Spatial Analysis (Visibility, Slope, Aspect, etc.)
- Digital Elevation Modeling
- Terrain Evaluation
- Image Processing
- Visual Impact Assessment and Impact Management
- Environmental Management
- Decision Support Systems Interface Development
- Project Management
- Map Production, Display, Queries and Reporting
- Environmental Sciences Expertise
- Process Development
- Arc/Info, ArcGIS, ArcView and PlanetGIS software
- Various GIS support software packages
- Range of Microsoft standard applications

TERTIARY EDUCATION

Degree: BA (University of Pretoria) Geography and Anthropology (Majors), 1993
Other Subjects: Archaeology, Philosophy and Political Science

EMPLOYMENT HISTORY

GisLAB CC (Geographic Information Systems Laboratory - University of Pretoria)

Period: 4/1990 - 9/1997

Position: Member/Project Manager

GISBS (Geographic Information Systems Business Solutions - Q Data Consulting)

Period: 10/1997 - 10/1999

Position: Project Manager

MetroGIS (Pty) Ltd.

Period: 11/1999 - to date

Position: Director/Project Manager

SELECTED RELEVANT PROJECT EXPERIENCE

- Proposed Atlantis Open Cycle Gas Turbine power station VIA
- Kynoch Gypsum Tailings dam extension VIA
- N1 Western Bypass Shell service station VIA
- Coega regional hazardous waste processing facility VIA
- Robinson Deep landfill extension VIA
- Hazardous waste blending platform VIA
- Mercury-Ferrum-Garona transmission line integration VIA
- Matimba B proposed coal-fired power station VIA
- Concentrating Solar Power (CSP) plant VIA
- Zeus to Mercury transmission line (comparative viewshed analyses)
- Mmamabula (Botswana) transmission line and power station viewshed analyses
- Petronet new multi-products pipeline VIA

CURRICULUM VITAE

NONKA (J.W.) BYKER

MasterQ Research
Research Executive

SKILLS BASE AND CORE COMPETENCIES

- Social Impact Assessments
- Community based training and development facilitation
- Public participation processes
- Data processing and analysis

TERTIARY EDUCATION

University of Pretoria: B.Psych. (Adult Mental Health) (2003)
Institute for People Development: NQF Assessor (2005)

EMPLOYMENT HISTORY

January 2007 – current: MasterQ Research (Research Executive)
July 2004 – December 2006: Independent Consultant
February 1998 – June 2004: Afrosearch (Public Participation consultant)
April 1997 – January 1998: Social Dimension (Administrative Assistant)

SELECTED RELEVANT PROJECT EXPERIENCE

- Social Impact Assessment for the proposed Evander South Gold Mine (Client: Harmony Gold Mining Company Limited, Project Manager: Turgis Consulting).
- Baseline social and land use assessment for the proposed Medupi Water Reservoir (Client: Eskom Generation, Project Manager: Savannah Environmental).
- Social Impact Assessment for the proposed Combined Cycle Gas Turbine (CCGT) plant in the Majuba area, Mpumalanga Province (Client: Eskom Generation, Project Manager: Bohlweki Environmental)
- Social Impact Assessment for the proposed new regional general and hazardous waste processing facility in the Eastern Cape (Client: Coega Development Corporation/Nelson Mandela Bay Metropolitan Municipality, Project Manager: Bohlweki Environmental)
- Social Impact Assessment for the proposed establishment of a tourist access facility and associated infrastructure in the Greater Limpopo Transfrontier Park (Client: SANParks, Project Manager: Triviron)
- Social Impact Assessment for the Petroline Petroleum Pipeline from Matola Harbour (Mozambique) to the Kendal Pump Station (Mpumalanga) (Client: Petroline, Project Manager: SRK Consulting)
- Social Impact Assessment for the proposed New Multi-Product Pipeline (NMPP) northern routes: Jameson Park to Langlaagte and Kendal to Waltloo (Client: Transnet Pipelines, Project Manager: Bohlweki Environmental)
- Social Impact Assessment for the proposed Zonk'izizwe Mixed Use Development in Midrand, Gauteng (Client: Old Mutual Properties, Project Manager: EIMS)
- Social Impact Assessment for the proposed Steelpoort Integration Project (Client: Eskom Generation/Transmission, Project Manager: Savannah Environmental)