



Company
Name
Date of birth
Profession
Position
Start date with LIDWALA
Relevant experience

Lidwala Environmental & Planning Services
Ashlea-Robyn STRONG
03.09.1976
Environmental Consultant
Senior Environmental Scientist
April 2009 - Permanent full-time staff member
13 years

Qualifications

- National Diploma in Nature Conservation, Technikon SA, 1999.
- B Tech Nature Conservation, Technikon SA, 2001.
- Masters in Environmental Management, University of the Free State, 2006.
- SAQA US ID: 115753 Conduct outcomes-based assessment (NQF Level 5), 2009

Affiliation and accreditation

 Registered as Certified Environmental Assessment Practitioner of South Africa (CEAPSA) with the Interim Certification Board

Specialisation

- Project management
- Integrated environmental management
- Environmental impact assessments
- Environmental management programmes and plans
- Environmental auditing
- · Environmental control and monitoring
- Environmental training
- Environmental feasibility and planning services

Career summary

- April 2009 to date: LIDWALA Senior Environmental Scientist
- January 2008 March 2009: Arcus GIBB Senior Environmental Scientist / Associate
- January 2007 December 2007: Bohlweki Environmental Senior Environmental Consultant/Unit Manager
- July 2005 December 2006: Bohlweki Environmental Senior Environmental Consultant
- August 2003 July 2005: Bohlweki Environmental Environmental Consultant

- November 2002 July 2003: Vuka Environmental Management Services Junior Environmental Consultant
- July 1995 October 2002: Freelance Environmental Educator

Work Experience

Electricity Sector

- Project Leader: Environmental Impact Assessment for the proposed Mulilo Coal Fired Power Station and associated infrastructure as well as associated power lines and substations in the Musina are of the Limpopo Province, Parsons Brinkerhoff Africa and Mulilo Power.
- Project Leader: Environmental Impact Assessment for the Pebble Bed Modular Reactor Demonstration Plant and Associated Infrastructure, Western Cape Province, Eskom Generation.
- Project leader: Environmental Impact Assessment for the proposed Bantamsklip Kappa 765 kV Transmission Lines and associated infrastructure, Western and Northern Cape Provinces, Eskom Transmission.
- Project leader: Environmental Impact Assessment for the proposed Bantamsklip Bacchus, Bacchus - Kappa and Bacchus – Muldersvlei 400 kV Transmission Lines and associated infrastructure, Western and Northern Cape Provinces, Eskom Transmission.
- Project leader: Environmental Impact Assessment for the Westgate Tarlton Kromdraai 132 kV Sub-Transmission line and associated infrastructure, Gauteng Province, Eskom Distribution – Central Region.
- Project Leader. Basic Assessment for the proposed Watershed Mmabatho 88kV Power line.
 North West Province, Eskom Distribution Central Region.
- Project Manager, Environmental Impact Assessment for the proposed Combined Cycle Gas Turbine Plant and Associated Infrastructure near Majuba, Mpumalanga, Eskom Holdings.
- Project Manager, Environmental Impact Assessment for the proposed new Ash Water Return Dam at the Arnot Power Station, Mpumalanga, Eskom Holdings.
- Project Manager, Environmental Impact Assessment for the proposed Capacity Increase of the Atlantis OCGT Plant and Associated Infrastructure, Western Cape Province, Eskom Generation.
- Project Manager, Environmental Impact Assessment for the proposed new Coal-fired Power Station in the Lephalale Area for Eskom, Limpopo Province, Eskom Generation.
- Project Manager, Environmental Impact Assessment for the proposed Concentrated Solar Thermal Plant in the Northern Cape, Eskom Holdings.
- Project Manager, Environmental Impact Assessment and Environmental Management Programme for the proposed Underground Coal Gasification plant, Eskom, Mpumalanga, Eskom Holdings.
- Environmental Consultant, Environmental Scoping Study for the proposed new distribution line and substation for Eskom, Dundonald, Mpumalanga (also involved in the Public Participation Process), Eskom Distribution.
- Environmental Consultant, Environmental Scoping Report for the proposed new 132 kV subtransmission line between the Dinaledi and GaRankuwa substations for Eskom, GaRankuwa, North West Province, Eskom Distribution.
- Environmental Consultant, Environmental Impact Assessment for the proposed Open Cycle Gas Turbine Power Station at Atlantis for Eskom, Western Cape, Eskom Generation.

Mining Sector

- Project Manager. Environmental Impact Assessment for the Sishen Infrastructure Program, Northern Cape Province, Sishen Iron Ore (Pty) Ltd.
- Project Manager. Application for Mining Permits for borrow pits required by the Limpopo

- Department of Roads and Transport.
- Project Manager. Environmental Status Quo and Audit for the Niemcor Thabazimbi Chrome Plant, North West Province, Niemcor Africa.
- Project Leader. Application for Mining Permits for borrow pits required for the Medupi Coal Fired Power Station, Limpopo Province, Eskom Generation.
- Project Leader: application for Mining Permits for borrow pits required for the Ingula Pumped Storage Scheme, KwaZulu-Natal, Eskom Generation.
- Project Manager, Mining Right Application for a 23 Hectare Borrow Pit required for the Steelpoort Pumped Storage Scheme, Mpumalanga, Eskom Generation.
- Environmental Consultant for the application for a mining right for the Underground Coal Gasification Project, Eskom, Mpumalanga, Eskom Generation.
- Project Manager, Application for three Mining Permit for borrow pits in the Mpumalanga Province, Roshcon.
- Project Manager (Lead Auditor), Updating and verification of the 2006 EMPR Performance Assessment Report for the New Vaal Colliery, Anglo Coal, Free State.
- Assisting Auditor, verification of the 2005 EMPR Performance Assessment Report for the New Vaal Colliery, Anglo Coal, Free State.
- Project Manager, Application for a Mining Permit for a borrow pit in the Bethal area,
 Mpumalanga Province, Roshcon.
- Compilation of the Environmental Management Programme Report for a borrow pit, Steelpoort, Limpopo Province, Goba.
- Compilation of the Environmental Management Programme Report for the mining and prospecting activities on the farm Quaggaskop 215, Vanrhynsdorp, Western Cape, Minexpo.
- Finalisation of the Environmental Management Programme Report for the Mowcop Quarry, Bronkhorstspruit.
- Environmental Consultant for the completion of 7 Environmental Management Plans for Small-Scale Sandstone Mines in the Qwa Qwa Region of the Free State.
- Environmental Consultant for the compilation of 2 Environmental Management Plans for Small-Scale Clay Mines in the Qwa Qwa Region of the Free State.

Infrastructure Sector:

- Project Manager: Landowner Consultation and Environmental Management Plans for 6
 Prospecting Right Applications in the Kuruman area of the Northern Cape, Sound Mining
 Solutions.
- Project Manager: Environmental Impact Assessment and Waste Management License Application for the proposed extension of Ash Dams at Hendrina Power Station, Mpumalanga.
- Environmental Practitioner, Application for Mining Permits for Borrow pits for the R39 (P50-1) rehabilitation project, Mpumalanga Province, SANRAL.
- Project Manager, Basic Assessment and Environmental Management Plan (including WULA and Mining Permits) for the rehabilitation of the N14 between Delerayville and Sannieshof, North West Province, SANRAL.
- Project Manager, Basic Assessment and Environmental Management Plan for the new Waterfall Cemetery, Limpopo Province, Makhado Municipality.
- Project Manager, Basic Assessment and Environmental Management Plan for the proposed telecommunications tower in Isando, Gauteng, Teraco Data Environments.
- Team Member, Water Use Licensing of the Tubatse sewage treatment works including an Environmental Status Quo, Mpumalanga Province, Greater Tubatse Municipality.
- Project Leader: Environmental Impact Assessment for the route determination of the proposed Metro Boulevard, Gauteng Province, Johannesburg Roads Agency.
- Project Manager, Basic Assessment for CO2 Collection System, SAB, Rosslyn, Gauteng
- Project Manager, Environmental Impact Assessment for the proposed new fuel supply pipeline between Milnerton and Atlantis, Eskom Generation, Western Cape Province.
- Project Manager, Environmental Impact Assessment for a Chlorine Derivatives Plant, Coega

- Chemicals, Eastern Cape.
- Project Team Member, Provide Environmental Input into the National Transport Master Plan
- Environmental Consultant Environmental Scoping Report and Environmental Management Plan for the extension and upgrading of facilities on the Rietfontein Nature Reserve, Paulshof, Gauteng (also involved in the public participation Process).
- Environmental Consultant, Vegetation Report for the Environmental Scoping Study for the Proposed Rand Water Bulk Water Supply Pipeline from Brakfontein Reservoir in Centurion to Barnardsvlei Reservoir Near Rustenburg, Gauteng and North West Provinces.
- Environmental Consultant, Environmental Management Plan for the Reboile Township in Groot Marico, Zeerust Municipality, North West Province.
- Environmental Consultant for the development of an Environmental Management Plan for the Waste Water Treatment Works at the Grootvlei Power Station, Eskom Generation, Mpumalanga.
- Environmental Consultant for the development of an Environmental Management Plan for an above-ground fuel storage tank, Ermelo, Mpumalanga.
- Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at Dudfield Plant, North West Province. (Particularly assisting with Public Participation)
- Public Participation for the Environmental Management Programme Report for the renewal of permit No PP13/99 for prospecting on the remainder of the Farm Rooiberg No 255, District Vanrhynsdorp, Western Cape.
- Public Participation for the Environmental Management Programme Report for mining and prospecting activities on the Farm Quaggaskop 215, District Vanrhynsdorp, Western Cape.

Training

- The development of an Environmental Training Modules.
- Training in Environmental Aspects and Rehabilitation for the Small Scale Mining Division of Mintek.
- Training in Environmental Aspects and Impacts for Transwerk Germiston.

Waste Management Projects

- Environmental Consultant for Phase 1 of the Environmental Impact Assessment for the Proposed Regional General and Hazardous Waste Processing Facility in the Eastern Cape.
- Environmental Consultant for an Environmental Screening of Five Potential Landfill Sites within the Metsweding District Municipality, Gauteng.

Specialist Projects:

- Environmental Practitioner, Status Quo and Compliance audit for the Delmas and Bontleng Waste Water Treatment Works, Mpumalanga, Victor Khanye Municipality.
- Senior environmental scientist: Strategic Environmental Assessment for the Development Master Plan Greater Port Harcourt, Rivers State, Nigeria
- Project scientist for compliance audits of Eskom's Gourikwa and Atlantis Gas Turbine Power Stations
- Project scientist for the Water Use Authorisation process for identified Water Uses at the Portland Cement Company's Jupiter Cement Plant in terms of the National Water Act
- Project Manager, Development of an Environmental Policy for the Ekurhuleni Metropolitan Municipality, Gauteng.
- Environmental Consultant, Development of the Integrated Environmental Policy for the City of Tshwane Metropolitan Municipality, Gauteng.
- Environmental Consultant within a team for the development of Development Corridors for the Ekurhuleni Metropolitan Municipality.
- Environmental Consultant, Environmental scan of the Greater Denneboom Area for inclusion in the Integrated Transport Plan for the Greater Denneboom Area, Gauteng.

Environmental Control Projects

- Environmental Control Officer, Dust monitoring at the Lime Distirbutors Plant, Powerville, Vereeniging, Lime Distributors (Pty) Ltd
- Environmental Control Officer for the Nkonjaneni Water Borne Sewer Project in Piet Retief, Mkhondo Local Municipality, Mpumalanga
- Environmental Control Officer for the Lotus Gardens Ext 2 Township establishment, City of Tshwane, Gauteng.
- Environmental Control Officer for the upgrading of the Waterval Water Care Works, ERWAT, Gauteng.

Health and Safety Projects

 Health and Safety Officer for the Nkonjaneni Water Borne Sewer Project in Piet Retief, Mkhondo Local Municipality, Mpumalanga



The Interim Certification Board for Environmental Assessment Practitioners of South Africa

Ashlea-Robyn Strong

was certified as an

ENVIRONMENTAL ASSESSMENT PRACTITIONER

on this 8th day of April 2010

Chairperson

Secretary

UNIVERSITEIT VAN DIE VRYSTAAT



UNIVERSITY OF THE FREE STATE

HIERMEE WORD VERKLAAR DAT DIE THIS IS TO CERTIFY THAT THE

Magister in Omgewingsbestuur Magister in Environmental Management

TOEGEKEN IS ÅAN HAS BEEN CONFERRED UPON

ASHLEA-ROBYN STRONG

Met effek vanaf with effect from 1 Februarie / February 2006

NADAT AAN DIE STATUTE EN REGULASIES VAN DIE UNIVERSITEIT VOLDOEN IS. AS BEWYS DAARVAN PLAAS ONS ONS ONDERSKEIE HANDTEKENINGE EN DIE SEEL VAN DIE UNIVERSITEIT HIERONDER. IN ACCORDANCE WITH THE STATUTES AND REGULATIONS OF THE UNIVERSITY. AS WITNESS OUR RESPECTIVE SIGNATURES AND THE SEAL OF THE UNIVERSITY BELOW.

VISENA SILLER VICE-CHANCELLOR

REGISTRATEUR/REGISTRAR

BLOEMFONTEIN 2006-04-25 2003049109





Company
Name
Date of birth
Profession
Position
Start date with LIDWALA

Lidwala Environmental Planning Services (EPS)

Frank van der Kooy 16 August 1949 Environmental Scientist

Director

2006- Permanent full-time staff member

Qualifications

Diploma Agriculture – Potchefstroom, North West, 1969

- National Diploma Landscape planning, Botany, Ecology, Soil science, Pretoria, 1975
- Bachelor degree Unisa, Pretoria, Sociology of City and Urban Planning, Ecology and Environmental studies, 1984
- B(Hons) Unisa, Pretoria, City of Urban Planning, Environmental, Ecology, 1986
- Certificate in EIA Studies U.C.T Cape Town, 1988
- MDP Business Leadership-Unisa, Project, financial, operational and personnel management, 1992

Affiliation and accreditation

- Registration as Botanical Technologist: South African Council for Natural Scientific Professions: Registration No: 300002/95
- Registration as a Professional Environmental Scientist: South African Council for Natural Scientific Professions, since 2000, Registration No: 400126/00
- Member of International Association for Impact Assessment (IAIA) from 1995.

Specialities

- Environmental impact assessments (EIA)
- Strategic Environmental Assessment (SEA)
- Social Impact Assessment (SIA)
- Integrated Environmental Management (IEM)
- Environmental Management System (EMS)
- Mine closure plans
- Mine Environmental Management plans/programmes (EMPR)
- Prospecting and mining applications
- Mining environmental monitoring, auditing, environmental liability (Quantum)
- · Rehabilitation of denuded areas, botanical advice and plans
- · Development feasibility studies
- Scoping documents for infrastructure and various other projects
- Conflict Management
- Public Participation

F VAN DER KOOY C V SHEET 2

- · Natural resource management
- Identification and design of pertinent and cost-effective mitigation measures and management programs
- · Monitoring and auditing protocols
- Project Management
- Infrastructure & Service related projects
- Institutional & Social development

Career summary

- 1971 to1972 PRIVATE FIRM, Environmental related work
- 1973 to 1978 NATIONAL BOTANICAL GARDENS, Pretoria Environmental work, plant studies
- 1978 to 1984 CAPE DEPARTMENT OF NATURE AND ENVIRONMENTAL CONSERVATION, Jonkerhoek, Stellenbosh – Nature Conservation Officer – Evaluation of developments, rehabilitation projects, work on habitats, rare and endangered plants, Advisory bodies for development of Nature reserves
- 1984 to 2000 ESKOM, West Cape Region, Port Elizabeth, George and Head Office Megawatt Park Johannesburg – Several positions held e.g. Environmental specialist, EIA practitioner, Environmental Manager for Distribution – development of EMS, various EMP's and EIA's for linear projects.
- 2001 to 2006 **AFRICAN EPA** Environmental specialist and Office Manager Feasibility study on residential development, Strategic Environmental Assessment, Water service development planning, environmental studies, prospecting and mining applications.
- LIDWALA ENVIRONMENTAL PLANNING SERVICES (EPS) projects, office manager and director.

Work experience

MANAGEMENT AND CONTROL SYSTEMS:

- Linear EIA processes for Eskom Transmission lines throughout SA.
- · EIA's for small enterprises
- Prieska feasibility study on Nature reserve and "Die Bos" Holiday resort
- Strategic Environmental Assessment; Bronberg, for DACEL to develop guidelines for future development. (Highly controversial with developers)
- Strategic Environmental Assessment; Rustenburg, phase I
- Strategic Environmental Assessment; Frances Baard District
- Several EIA's for Tshwane Municipality, roads and pipelines
- Mining EIA's, closure plans and liability analyses Sishen Mine (Kumba Anglo)
- Waste stream analyses for Kumba Resources (Sishen Mine (Kumba Anglo)
- Mining and prospecting applications Gemcore, Kimberley, West Coast
- · Mining rehabilitation, monitoring and environmental audits; Elandslaagte mine and Diamondcore
- Road EIA processes for Kuruman District Municipality
- Environmental Management system development (EMS) for Eskom, Sedibeng and Lepelle water, proposals and software implementation. Currently busy to implement EMS for mining company.
- Louis Trichardt Messina 132k V line
- Specifications for servitude clearing & EMP construction
- Economic and social strategic analyses Southern Cape
- Environmental studies on problem areas, solutions and Environmental Management Plans
- Environmental audits
- · Editor of "Tree Identification Guide".

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OTHER RELEVANT EXPERIENCE

Lecturer: University of the Free state; Environmental Legislation and Impact Assessment Guest lecturer: University of Pretoria on environmental, regional and town planning legislation Courses: Environmental management, legislation and plant identification courses mainly for Eskom Speaker at IAIA international, Portugal, on public participation for successful development in a developing country

Guest speaker; Utrecht University, Development within a developing country with meaningful Environmental consideration

Netherlands Department of Water and Environmental Affairs: (Rykwaterstaat), their quest to different Development projects

Funds for development projects: European Development Bank; STOAS in the Netherlands Advisory to local municipalities; e.g Galeshewe open space (Sol Plaatije municipality); Sol Plaatije Kimberley municipality on environmental management systems and development strategies: Magareng (Warrenton) municipality on spatial development and infrastructure development: Dikgatlong (Barkley West) municipality on development strategy and project opportunities Phokwane (Hartswater) municipality, issues, development strategies and opportunities for projects.

Presentations: Development scenarios and environmental impacts to:

Kimberley Business Forum

Various local municipalities

Work groups and associations: Strategic Environmental Assessments:

Environmental Planning Professions Interdisciplinary Committee for the Southern Cape on different

International Association on Impact Assessment

Development feasibility study for Development Bank of Southern Africa (DBSA):

Language canability

Language capability			
	Speaking	Reading	Writing
English Afrikaans	Excellent Excellent	Excellent Excellent	Excellent Excellent
Date			November 2010



THE SOUTH AFRICAN COUNCIL FOR NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Frank van der Kooy

Registration number: 400126/00

is registered as a

Professional Natural Scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)
in the following field(s) of practice
(Schedule I of the Act)

Environmental Science

13 November 2000

13 November 2000

Pretoria

197 (cclar_ President

Chief Executive Officer





Company:

Lidwala Consulting Engineers

Name:

Glenn Mullett

Date of Birth:

13.03.1979

Profession:

GIS Technologist; Social Ecologist; Conservation Scientist

Relevant Experience:

10 Years

Nationality:

South African

Qualifications

• UNIGIS Postgraduate Diploma, NMMU, 2008 (www.nmmu.ac.za)

- National Certificate for Environmental Educators, UNISA, 2004 (www.unisa.ac.za)
- B-Tech: Nature Conservation: Technikon SA / UNISA, 2003 (www.unisa.ac.za)
- N. Dip Nature Conservation: Technikon SA, 2001 (www.unisa.ac.za)

Specialities

- · Differential GPS Survey of natural and built environments
- GIS Design and Implementation and Management, with application in Conservation, Agriculture and Engineering Infrastructure
- Database Design and Administration in the above environments
- Excel Solutions development including advanced scripting and array formulae aggregation
- Information Technology with the focus on geographical data communication and GIS based systems
- GIS support for Road Asset Management Systems
- · Web based GIS using Open Source products and Linux platforms
- Server and Computer Virtualisation using VMWare
- Systems administration and networking
- GIS SDE Hosting

Current Employment

June 2008 to date. LIDWALA Consulting Engineers www.lidwala.com - GIS Technologist

Relevant Experience

I am currently the GIS Technologist working on the Road Asset Management System (RAMS) for Mpumalanga Department of Roads and Transport. Lidwala carries this three year appointment since the beginning of 2008. The assignment involves a complete redesign of the RAMS including all sub systems.

Responsibilities include RAMS system framework design, sub-systems integration design, server and communication interfaces design and procurement, web-based data logging and interactive platform design and implementation, GIS setup and management for all the sub systems, training of Departmental staff on using the RAMS interactive system, map design and production.

Support functions to Lidwala include computer systems administration; IT support, website development, design and maintenance; database administration, implementing a countrywide WAN role-out that resides on an MPLS backbone, managing the communication systems (both data and voice), IT equipment procurement; configuring and administering the central document management system.

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Other Work Experience

Sep 2004 to May 2008. **KOMATI MILL GROUP BOARD** – GIS Data Analyst (c/o TSB Sugar Ltd www.tsb.co.za)

Responsible for Differential GPS mapping of all changes and new expansions in the Komati cane supply area (approximately 25 000 ha) as well as other farm mapping on request (such as orchards, bananas, roads, farm buildings etc) to sub-meter accuracy levels using survey grade GPS, Optron Realtime and Trignet RINEX data; Integration of surveyed data into GIS, synchronising updates between GIS and all Mill systems (including Oracle and MS SQL Server); analyses and management of sugar cane crops including historical yield trend analysis, cultivar performance analysis, incremental crop estimates (system design and implementation); daily rateable delivery model development and calculation; delivery performance modelling; data integrity problem detection and resolving; map design, production and dissemination.

Jan 2004 to Aug 2004. **VUKA PROJECT MANAGEMENT SERVICES** – Project Manager: Kgalagadi Transfrontier National Park

Responsible for the management of the DEAT poverty relief projects throughout the whole Park. Projects included wilderness camp construction, picnic site construction, water reticulation, electrical reticulation and upgrading of existing rest camp infrastructure.

Dec 2002 to Dec 2003. **VUKA PROJECT MANAGEMENT SERVICES –** Project Co-ordinator: Darlington Dam Section, Greater Addo Elephant National Park

Responsible for the co-ordination of the DEAT poverty relief projects in the remote Darlington section of Addo National Park. Projects included electrified game fence construction, landscape rehabilitation and alien plant control.

Feb 2002 to Oct 2002. **SANPARKS** <u>www.sanparks.org.za</u> – Acting Senior Social Ecologist and Consultant

Responsible for the all community outreach programmes of the National Park and the compilation of the project scope reports for the reconstruction of the Wilderness boardwalk and the construction of fire breaks in the greater Wilderness National Park. Other duties included alien plant control and anti-poaching law enforcement.

Mar 2000 to Jan 2001. **DELTA ENVIRONMENTAL CENTRE** <u>www.deltaenviro.org.za</u> – Environmental Educator

Responsible for facilitating environmental workshops and programmes for school groups (mainly from previously disadvantaged communities) as well as the empowerment of teachers from said communities in environmental education aspects.

Jan 1998 to Jan 2001. **WITWATERSRAND NATIONAL BOTANICAL GARDENS** – Environmental Educator

(Now the Walter Sisulu National Botanical Garden http://www.sanbi.org/sisulu/mainpage.htm)

Responsible for facilitating environmental workshops and programmes for school groups (mainly from previously disadvantaged communities) as well as the empowerment of teachers from said communities in environmental education aspects.

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Systems implementation:

2005: Cane Management System implementation team (Data handling and Business systems)

2006: CanePro implementation team (Business systems, Data handling, DRD and Estimate process)

2008: Lidwala.net implementation team (Project manager)

2009: Quad-node Document Management System with MySQL replication and server-side data synchronisation

Courses Attended:

- Pavement Management Course, Stellenbosch, 2008: University of Stellenbosch: Stellenbosch
 Institute for Advanced study. Course conducted by Prof K. Jenkins (STIAS) and Dr G van Zyl
 (PD Naidoo and Associates). (4 CPD points).
- Introduction to Traffic Counting, Middleburg, 2008: ITS Engineers. Course conducted by Dr. P. Pretorius (ITSE).
- Performance Management Course, Malelane, 2007: Course conducted by TSB's internal training department.
- Essential Sugar Technology Course, Malelane, 2007: Course conducted by the Sugar Milling Research Institute (SMRI).
- Skipper's Licence Course (theory), Knysna, 2001: Course conducted by NSRI Mosselbay.
- Drizit Oil Spill Course, Knysna, 2001: Course conducted by DRIZIT Oil & Chemical Pollution Control.
- Computer Usage 1 Course, College Campus Braamfontein, 1999.

Language capability

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Good



for tomorrow

UNIGIS Network for Postgraduate Distance Learning in Geographical Information Systems

This confirms that the named student has successfully completed the International UNIGIS Diploma Programme of Postgraduate Study offered in a Distance Learning Course within the framework of the International UNIGIS network of Universities

Name:

Glenn Peter MULLETT

Title of Course:

Postgraduate Diploma in GIS

Institution:

Nelson Mandela Metropolitan University

Department:

Information Technology

Date of Award:

November, 2008

Signature of Chairman of NMMU Course Board: ..

Signature of Programme Leader of NMMU:

THIS TRANSCRIPT DOES NOT CONFER AN AWARD

The UNIGIS Network

University of Salzburg AUSTRIA	University	The Mendel Universit of Agriculture CZECH REPUBLIO	Casilla	University of West Hungary HUNGARY	University of Goa	Free University of Amsterdam NETHERLANDS	Jagiellonian University POLAND	University Nova de Lisboa PORTUGAL
Ministry of Russian Federation RUSSIA	Nelson Me Metropo Univers SOUTH A	litan Pretoria	a Girona H SPAIN	University of Huddersfield UNITED KINGDOM	University of Salford UNITED KINGDOM	Manchester Metropolitan University UNITED KINGDOM	University of Southern California UNITED STATES	

Student No:

20452674

for tomorrow

Transcript of Studies: Distance Learning Certificate

Name	MULLETT, Glenn Peter	Date of Birth 13 th March 1979
Course of Studies	Postgraduate Diploma in Geographical In (UNIGIS Network of Universities)	nformation Systems
Overall Grade	Passed With Distinction	

Examination Subject	Grade		
Compulsory Modules:			
GIS - An Overview	A		
Spatial Data Modeling	В		
Spatial Operations	A		
Database Theory	Α		
Data Acquisition	Α		
Data Quality	Α		
Concepts for Spatial Thinking	Α		
GIS and Organisations	В		
GIS Project	A		
Optional Modules:			
Project Management	N/A		
Database Theory II	A		
Remote Sensing and GIS	N/A		
Visualization	N/A		

Date	Dean
November 2008	

Grades: Distinction (A), Good Pass (B), Average Pass (C), Satisfactory (D), Refer (R), Fail (F) Overall Grades: Passed with Distinction, Passed, Failed

UNIVERSITY OF SOUTH AFRICA





We certify that

Glenn Peter Mullett

having complied with the requirements of the Act and Statute of the Technikon SA, was issued with the

BACCALAUREUS TECHNOLOGIAE NATURE CONSERVATION

with effect from

01 December 2003

Vice-Chancellor

The University of South Africa was established on 1 January 2004 in terms of the Higher Education Act of 1997 through the merger of Technikon SA and the University of South Africa

Registrar

PRETORIA





Company
Name
Date of birth
Profession
Position
Start date with LIDWALA
Relevant experience

Lidwala Consulting Engineers (SA)

Katie Sassenberg
1976-06-02
GIS Specilaist
GIS Specilaist
May 2009 - Permanent full-time staff member
19 years

Qualifications

- National Senior Certificate 1989 Technical high school.
- Courses Attended:
 - ArcView 9 Course, Midrand, 2003: ESRI (Environmental Systems Research Institute),
 GIMS (Geographic Information Management Systems)
 - ArcIMS Course. Midrand, 2004: ESRI (Environmental Systems Research Institute), GIMS (Geographic Information Management Systems)
 - o Caddie Course. Midrand, 1993: ADVANCED COMPUTER SOLUTIONS (PTY) LTD
 - Caddie Professional Course. Midrand, 1994: ADVANCED COMPUTER SOLUTIONS (PTY) LTD

Specialisation

- Design and implementation of corporate GIS database
- Database Design and Administration
- Spatial data capturing, analysing, maintenance and management of complex geo-database systems.
- Skills training

Career summary

- May 2009 Present, LIDWALA CONSULTING ENGINEERS (www.lidwala.com): GIS Specialist
- Aug 2005 May 2009, ENVIROGIS Pty Ltd (www.envirogis.co.za), (Environmental Solutions): GIS Technician. (Consulting & training).
- May 1996 Aug 2005, NETGROUP SA (Pty) Ltd (www.netgroup.co.za) Consulting Electrical Engineers & GIS mapping: GIS Technician. (GIS & Cad Draghting)
- Jan 1992 May 1996, BIRD MACHINES (PTY) LTD (www.birdmachines.co.za) (Mining Equipment Suppliers): Draughts person
- Jan 1990 June 1991, KEEVE STEYN CIVIL ENGINEERS (www.goda.co.za): Draughts person

Work Experience

 Lidwala: GIS Specialist working on the Road Asset Management System (RAMS) for Mpumalanga Department of Roads and Transport, including GIS Data maintenance, interrogation and management together with creating customised maps and production as well as creating Open Geospatial Consortium (OGC) compliant Styled Layer Descriptor (SLD) schemas for the Web Map Service (WMS) element of the RAMS.

- Lidwala: Wetland delineation and riparian habitats of forestry plantations across Mpumalanga, Limpopo and Kwazulu-Natal. The essence of this project is to propose a structured wetland and riparian delineation procedure. Field methodology is outlined together with a supportive post-reporting process that includes spatial data (GPS and GIS) to accurately identify and delineate the spatial extent of wetland and riparian habitats with the intention of preventing past and future commercial afforestation transgressions occurring in sensitive areas.
- SAFCOL, I was involved with the development of a GIS to do a land capability study. The
 objective of the study was to determine the afforestation potential of available land in a buffer
 strip adjacent to SAFCOL's plantations & develop out grower scheme models to govern the
 afforestation. Analyses (financial & other) were done to determine the feasibility and most
 preferred structure to establish and manage the proposed Out Grower Scheme.
- SAFCOL: a study to determine the most effective way to apply Forestry waste for the production of Green Energy (Electricity). For this project we had to identify the different sources of Forestry Waste within a 100km radius from Sabie (Mpumalanga) and determine quantum and availability. We had to describe and motivate the method used to identify sources and estimate volumes of waste. A cost analyses was provided to determine if a delivered cost per ton for Forestry Waste over a 100km radius is feasible. This project was aimed at Sabie Mpumalanga as a case study, to test the concept,
- Envirogis: I was a consulting GIS Technician for York Timbers, Komatiland Forest and SAFCOL (South African Forestry Company Limited). At these respective companies I was part of a team in developing Client Corporate Geo-databases making use of ArcSDE, Oracle and ArcIMS. After implementing the GIS I was responsible for the consulting and maintenance of the Corporate GIS.
- SAFCOL: I was involved in a Timber flow project and was responsible for the collection, analysis and categorisation of industry and field data relating to fibre-flow from Provinces, areas and catchments to the processing plants. I was further involved in the development of a model based on this data to draw required information (to calculate the current standing volume, and also the current available volume).
- Netgroup: I was involved in the Emalahleni Local Municipality feasibility study regarding a
 Utilities Network where I had to gather and combine existing hardcopy data, field data and
 electronic data to compile a turnkey feasibility GIS.
- Netgroup: the Mbombela land use management (spatial framework) System for Local Municipalities. I was part of a team to create a personal spatial database & responsible for the development & management of new, existing and field data.



Company Name Profession Position Relevant experience Lidwala Environmental & Planning Services
Jennifer Howarth
Lawyer
Legal Consultant
10 years

Qualifications

• 1991 – B Proc - University of the Orange Free State

Specialisation

- Environmental Legal Review and Advice,
- · Health and Safety Review and Advice

Career summary

- 1 January 2004 to date Self employed Legal Consultant
- 2 September 1997 to 31 December 2003 De Beers Consolidated Mines Limited Legal Advisor
- 2 November 1995 31 July 1997 Duncan & Rothman Professional Assistant
- 1 July 1995 31 October 1995 Liebenbergs Professional Assistant
- 14 November 1994 to 30 June 1995 Loots Steenkamp Incorporated Professional Assistant
- 25 March 1994 31 May 1994 **The Independent Electoral Commission** (Vryburg Area)-Mediator
- 9 December 1991 28 February 1994 VENTER, BOOYSEN & FERREIRA Candidate Attorney



Nicolene Venter

Present Appointment

Principle Public Participation Manager

Date of Birth

21 April 1960

ID Number

6004210065088

Nationality

South African

Education

Matric

Professional Qualifications

Senior National Secretarial Certificate

Professional Memberships

None

Field of Specialisation

Public Consultation, Facilitation, Strategic Review and Project

Management

Languages

English, Afrikaans

Synopsis:

Nicolene has over the past 12 years established herself as an experienced and well recognized public participation practitioner, facilitator and strategic reviewer. She has project managed several high profile public participation projects and excel in not only stakeholder engagements but with humility for street level consultation. Nicolene first formed her own consultancy business in 1997 and joined SiVEST in October 2007. She now leads the public participation unit of the Company with insightful strategic thinking to ensure the delivery of highly professional and a target orientated public participation process to their clients as the project dictates. She also has sound knowledge of the Equator Principles especially in terms of the Public Participation Process required for projects that are funded internationally As the Principle Public Participation Manager, her proven leadership skills ensures the managing, development and motivation of the public participation team to achieve project objectives and to maintain high quality standards.



Nicolene Venter

PROFESSIONAL HISTORY

Oct 2007 - current

SiVEST SA (PTY) LTD - Environmental Division: Public Participation Process Management

Environmental Impact Assessments

Thyspunt Transmission Lines Integration Project: July 2007 - current
Proposed construction of 5 x 400kV Transmission power lines between
Thyspunt (near Oyster Bay) to Port Elizabeth (Eskom's existing Grassridge
& Dedisa Transmission Substations), Port Elizabeth, Eastern Cape
Province

Responsibilities:

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, communities and affected landowners

Transnet Coallink: March 2009 – current

Transnet's coallink upgrade project from Ermelo to Richard's Bay - Class Application for a number of Basic Assessments and Environmental Impact Assessments (5 Applications), Mpumalanga and KwaZulu-Natal Provinces Responsibilities:

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, tribal leaders and affected landowners

Evander South – Goldmine (Client: Turgis Consulting) (only Scoping Phase): February 2008 - Current

Proposed establishment of a gold mine in Evander south and pipelines between the proposed new mining area and Harmony's existing gold mine infrastructures at Shaft 7, Evander, Mpumalanga Province

Responsibilities:

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, communities and affected landowners

Middelburg Water Treatment Plant (Client: Jones & Wagener Consulting Civil Engineers): June 2008 – current

Water reclamation scheme for BHP Billiton Energy Coal South Africa (BECSA) in the Witbank / Middelburg area, Mpumalanga Province **Responsibilities:**

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, communities and adjoining landowners

Madupe Borrow Pits (Arcus Gibb): December 2007 - current Establishment of borrow pits in Lepalale, Limpopo Province Responsibilities:

Project managing the Public Participation Process, consultation with key stakeholders, authorities, communities and affected landowners



Nicolene Venter

 Malelane Substation and Turn-in Transmission Power Lines: November 2006 – January 2008

Proposed Construction of a New Malelane Substation and the Proposed Construction of a New Komatipoort-Marathon 275kv Transmission Power Line Turn-In of approximately 1.5km, Malelane, Mpumalanga Province **Responsibilities:**

Project managing the Public Participation Process, including consultation with key stakeholders, authorities and affected landowners

Basic Assessments

Watershed-Mmabatho 88kV Power line (Client: Arcus Gibb): February
 July 2009

Required reapplication for an Environmental Authorisation of the distribution power lines between Mmabatho and Mafikent, North West Province, due to the lapse of time between the issuing of the ROD and start of construction.

SiVEST SA (PTY) LTD - Environmental Division: Strategic Management / Review of Public Participation Process

Environmental Impact Assessments

 Westlake mixed used development in Modderfontein, Gauteng Province (Scoping Phase): July 2008 – March 2009

Mixed use development comprises of a range of business, residential and associated, commercial and light industrial uses, as well as open space. **Responsibilities:**

Strategic review of the Public Participation Process and facilitation of meetings

· Kalagadi Manganese: May 2009 - current

Establishment of a railway line and water pipeline in Hotazel, Northern Cape Province

Responsibilities:

Strategic review of the Public Participation Process

Mulilo Power Station (Client: Arcus Gibb): January 2009 - current
 Establishment of a coal fired power station near Musina, Limpopo Province Responsibilities:

Strategic review of the Public Participation Process and facilitation of meetings

Basic Assessments

Skukuza Conference Facilities: February – October 2008

Establishment of conference facilities at the Skukuza Rest Camp, Kruger National Park, Mpumalanga Province: February – October 2008

Responsibilities:

Strategic review of the Public Participation Process



Nicolene Venter

Mercury-Zeus 765kV Transmission power lines

Construction Environmental Management Plan: 1st 100km - February 2008-May2008; Remaining section – May 2009 **Responsibilities:**

Strategic review of consultation process and landowner consultation

Randwater G7 Pipeline: May – November 2008

Construction of a water pipeline traversing the suburbs of Malvern East, Creston Hill, Primrose Hill and Primrose, Germiston, Gauteng Province **Responsibilities:**

Strategic review of the Public Participation Process and facilitation of meetings

Randwater L5, K3 & K6 Pipelines: October 2008 – July 2009

Replacement of the existing L5 waterpipeline traversing the suburbs of Brakpan on the East Rand of Johannesburg and the the K3 and K6 pipelines, Brakpan, Gauteng Province

Responsibilities:

Strategic review of the Public Participation Process

Randwater Limeplant: May - December 2008

Dismantling and removal of kilns at Randwater's Zuikerbosch pumping station, Vereeniging, Gauteng Province.

Responsibilities:

Strategic review of the Public Participation Process

24G Applications

 Unlawful construction of a manufacturing plant for the purpose of manufacturing pre-cast concrete barriers for temporary road construction works, Bridle Park, Midrand: December 2008

SIVEST SA (PTY) LTD - Environmental Division: Strategic Management / Review of Consultation Process

New Multi-Products Pipeline Project: February 2009

Liaison between construction company and community representatives regarding employment during construction of the multi-products pipeline, Mamelodi, Gauteng Province.

SiVEST SA (PTY) LTD - Environmental Division: Facilitator

- Middelburg SmancorCR Chemical Plant (Client: Environmental Science Associates) – Public Meeting: October 2007
- Majuba-Venus 765kV Transmission Power Lines (Client: Acer Africa) Public Meetings: July 2008
- Ariadne-Eros 400kV Transmission Power Lines (Client: Acer Africa) Public Meetings: July 2009

1997 - September 2007

IMAGINATIVE AFRICA (PTY) LTD: Public Participation Practitioner (Self Employed)

Savannah Environmental

• Kyalami Strengthening Project: March 2008 - current

Proposed construction of three 400kV Transmission power lines between the new substation and Eskom's existing Lulamisa Substation, Midrand, Gauteng

Responsibilities:

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, residents and affected landowners, and identification of affected landowners.

Steelpoort Integration Project (Client: Eskom): April 2007 – February 2009

Construction of a new Transmission Substation and a 400kV Transmission power line between Eskom Transmission's existing Merensky Substation and the newly proposed Transmission substation. The project also included a 400kV turn-in Transmission power line between the newly proposed transmission substation and the Duva-Leseding transmission power line.

Bohlweki Environmental

New Multi-Products Pipeline Project (Client: Transnet Pipelines):
 October 2005 – February 2008

Expansion of Transnet Pipeline's pipeline capacity: Kendal Pump Depot (Mpumalanga Province) to Waltloo Pump Depot (Gauteng Province); Jameson Park – Langlaagte Pump Depot Gauteng Province) and Coastal to Inland (Durban – Ladysmith – Vrede – Jameson Park).

Responsibilities:

Project managing the Public Participation Process, including consultation with key stakeholders, authorities, residents and affected landowners, and identification of affected landowners.

 Mercury- Garona 400kV Transmission power line (Client: Eskom Holdings): March 2006 – November 2007

Construction of a 400kV Transmission power line between Eskom's Mercury Substation (Free State Province) to Garona Substation (Northern Cape Province) – crossing the North West Province

 Concentrating Solar Plant (Client: Eskom Holdings): March 2006 – September 2007

Establishment of the proposed Concentrated Solar Thermal Plant (CSP) and related infrastructure (Northern Cape Province)

 Hydra-Gamma 2 (Client: Eskom Holdings): November 2006 – December 2007

EIA for the proposed construction of a second 765kV Transmission power line between Eskom's existing Hydra- and Gamma Transmission substations

 Komati Power Station (Client: Eskom Holdings): March – December 2005

Exemption from EIA for the Return-to-Service of the Komati Power Station, Witbank, Mpumalanga Province.

 Luthuli Substation and 132kV Distribution power line (Client: Eskom Holdings): July 2005 – October 2006

Construction of a 132kV distribution powerl ine between Eskom's existing Witkloof substation and the proposed new Luthuli substation in Carolina.

 Matimba & Witkop Transmission Substations (Client: Eskom Holdings): December 2003

Construction of a 400kV Transmission powerline between Eskom's Matimba Substation (near Ellisras) and Witkop Substation (near Pietersburg), Limpopo Province

 Ikaros Transmission substation and Associated 400kV Transmission power line (Client: Eskom Holdings): January – April 2002

New Ikaros Substation and Associated 400kV Transmission Line Infrastructure, Rustenburg, North West Province.

Gauging Weirs (Client: Department of Water Affairs and Forestry):
 September 2006 – March 2007

Construction of two gauging weirs in the lower Vaal (near Douglas) and upper Orange River (near Groblershoop), Northern Cape Province

Gautrain Rapid Rail Link (Client: Gauteng Department of Transport):
 April – September 2002

Alleviation of traffic congestion on the Ben Schoeman between Johannesburg and Pretoria and Johannesburg and OR Tambo International.

 Platinum Highway Project (Client: South African National Roads Agency) January – July 2000

2nd Phase of the Platinum Highway Project (refer to Golder Associates for 1st phase). EIA for the proposed construction of the Platinum Highway between Pretoria (from the N4) and Botswana.

Naledzi Environmental

 Soweto Integration Project (Client: Eskom Holdings): August 2007 – May 2009

New Eskom Transmission substation near Orlando (Quattro Substation) and associated 2 x 400kV Transmission power lines between the newly

proposed Orlando Transmission Substation and Glockner Substation (near Ennerdale, south of Lenasia), Gauteng Province

 Etna-Glockner Integration Project (Client: Eskom Holdings): January 2007 – November 2008

New double circuit 400kV Transmission power line between Etna Substation (near Rothdene, south of Meyerton) and Glockner Substation (near Ennerdale, south of Lenasia), Gauteng Province

Golder Associates (Previously – Greyling Liaison & Manyaka Greyling Meiring)

- Eskom Holdings (Pty) Ltd Long-term Coal Supply Study -Mpumalanga
 - EIA for the Long-term coal supply to Eskom's Tutuka and Majuba Power Stations
- The South African National Roads Agency (Client: Corporate Image) –
 Platinum Toll Highway Gauteng & North West Provinces
 - 1st Phase of the Platinum Highway Project (refer to Golder Associates for 1st phase). EIA for the proposed construction of the Platinum Highway between Pretoria (from the N4) and Botswana
- L&W Environmental (Client: Kynoch) Mpumalanga Province IA for the establishment of a liquid fertilizing blending plant
- Department of Water Affairs and Forestry (DWAF) Mpumalanga Province

Workshop Co-ordination: Technical and Advisory Committee. Purpose of workshop was to get key stakeholders involved in the establishing of a committee whereby water usage measurements can be discussed and guidelines drawn up.

 Corporate Image (Client: Afrisun – Sun International) – Gauteng Province

Proposed construction of the "Carnival City" Casino and Entertainment Centre, Brakpan

Mark Wood Consultants

 Sasol Gas - Sasol/Arco Gas Pipeline Project - Mpumalanga Province Identification of stakeholders and affected landowners for the Scoping Phase of the EIA

Industrial Development Corporation

 Maputo Iron and Steel Project – Mozambique and Mpumalanga Province

Identifying and communicating with possibly affected landowners and various key stakeholder groupings in project area.



Nicolene Venter

Landscape Dynamics

Eskom Holdings (Pty) Ltd – Anglo Platinum Western Limb Tailings
 Treatment Plan
 Identifying affected landowners on the proposed route alignments