



## CURRICULUM VITAE

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

## **G MULLETT C V**

### **Other Work Experience**

Sep 2004 to May 2008. **KOMATI MILL GROUP BOARD** – GIS Data Analyst  
(c/o TSB Sugar Ltd [www.tsb.co.za](http://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** [www.sanparks.org.za](http://www.sanparks.org.za) – 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** [www.deltaenviro.org.za](http://www.deltaenviro.org.za) – 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.*

## **G MULLETT C V**

### **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.

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### **Language capability**

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	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Good

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