

<b>Present Appointment</b>	GIS Technician / Environmental Consultant
<b>Date of Birth</b>	10 December 1979
<b>ID Number</b>	7912101414182
<b>Nationality</b>	Kenyan Permanent Resident in RSA
<b>Education</b>	1997: Kenya Certificate of Secondary Education (KCSE) Matric Exemption
<b>Professional Qualifications</b>	Kenyatta University, Nairobi, Kenya Bachelor of Science (Biochemistry, Chemistry and Zoology) <b>Graduated:</b> 18 October, 2002  University of the Witwatersrand, Johannesburg Masters in Environmental Science <b>Thesis:</b> Water use and Sustainability <b>Graduated:</b> 25 November, 2009
<b>Professional Memberships</b>	South African Council of Natural Scientific Profession (SACNASP) Cert. Sci. Nat (200018/08) International Assessment of Impact Assessment SA <b>(2838)</b>
<b>Field of Specialisation</b>	GIS, Environmental Assessment
<b>Languages</b>	English

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**Synopsis**

Lucy joined SiVEST as a GIS Assistant based at the Johannesburg Office. She is responsible for assisting with the GIS studies undertaken in various projects handled in SiVEST. Through her time in SiVEST, Lucy has acquired the following skills

- Collection, integration and management of spatial data.
- Manipulation and query of datasets.
- Production of GIS maps.

Lucy is currently a GIS Technician and an Environmental Consultant and is responsible for the following;

- Assist in compiling different environmental reports such as FFA, EIA, SEA, EMP, Scoping reports.
- Authority Consultation.
- Compile proposals both for local and international clients.
- Compile specialist reports.
- Provision of GIS support

**Computer Skills**

- Ms Office
- Arc GIS

**Professional History****January 2010 – Date****SiVEST Environmental Division  
GIS Technician / Environmental Consultant**

Provided GIS and Environmental support to the following projects;

**Environmental Linear Projects**

- EIA for the transmission lines for the 400kV Nuclear Integration Project from Thyspunt to several sub stations in the Eastern Cape – Eskom.
- Environmental fatal Flaw Analysis for the Uitenhage Nodal substation and 132kV power lines.
- Providing PPP support for the proposed construction of a new 2 x 400kV power line from Etna Substation to the new proposed Quattro substation, Soweto, Gauteng Province.

**Wetland Assessments**

- Wetland specialist report EIA for the proposed electrical distribution infrastructure to service NMPP inland terminal 2.
- Mushroom Farm Park Eco-Link Report.
- Wetland Assessment for the proposed new 22kV Eskom feeder cable for Fourways, Johannesburg.
- Wetland Assessment for the proposed development of a deck and additional floor area in Alberton Value Centre.
- Wetland Assessment for the Johannesburg strengthening project (2 x 400 kV power lines from Matla power station to the proposed Jupiter B Substation).

**Biodiversity Assessments**

- Biodiversity Scan for the proposed Makro development
- Biodiversity assessment of the proposed township development in Middelburg, Mpumalanga Province.
- Ecological assessment for the underground transmission cable project replacement, Ekurhuleni Metropolitan Municipality.

**Construction**

- Environmental Impact Assessment for the construction of the proposed New Miwani Sugar Plant, **Kisumu**, Kenya.
- Environmental Constraint Analysis for the proposed social housing projects in Sasolburg and Secunda.
- Proposed upgrade of the Vanyksbaai Holiday home in Cape Town.
- Proposed development of the Allegro Trust residence on erf 168 Langebaan, Western Cape.
- Environmental due diligence report for the proposed Thabazimbi Local Municipality Civic Centre Development.
- Environmental Impact Assessment for the construction of the proposed Reinshaw Estate, KwaZulu Natal Province..

**Renewable Energy**

- Environmental Impact Assessment for the construction of a Solar Plants in Northern Cape.
- Environmental Impact Assessment for the construction of a wind farms

in Northern Cape.

- Tourism Assessment report for the proposed Humansrus CSP in the Northern Cape.
- Environmental Impact Assessment and Environmental Management Plan For The Proposed Zimbabwe Ethanol Plant In Chisumbunje, Zimbabwe

#### **Agricultural Feasibility**

- Agricultural Feasibility study for the proposed Miwani Sugar Mill, Kenya.

#### **Mining**

- Providing PPP support for the SMS mineral prospecting exercise in Lephalale and Thabazimbi Local Municipalities in Limpopo Province.
- Environmental summary for the proposed AK6 Diamond mine in Boteti sub-district, Botswana

July 2009 – Dec 2009

#### **SiVEST Environmental Division - GIS Assistant**

Provided GIS support to the following projects;

#### **Environmental Linear Projects**

- EIA for the transmission lines for the 400kV Nuclear Integration Project from Thyspunt to several sub stations in the Eastern cape - Eskom
- Construction EMP for transmission lines from Zeus to Mercury substations - Eskom
- Proposed new 400/88kV, 160MVA substation near Ermelo with associated 88 kV and 400 kV turn in lines
- Basic Assessment Report for the Rand water L5 Pipeline Decommissioning
- EIA and EMP for a 9km railway line and water pipeline for Kgalagadi Manganese mine in Northern Cape
- EIA for turn in lines and upgrading for Malelane substation in Mpumalanga - Eskom

#### **Planning**

- Scoping Report for the proposed expansion of the Westlake Housing Development

#### **Wetland Assessments**

- Assessment of wetland occurrence at Fairland extension 26, proposed mixed use development
- Surface water impact assessment study for the establishment of a new coal fired plant and its associated infrastructure in Musina, Limpopo
- Wetlands Assessment Report for the proposed construction of two bridges over the D622 near Bethal
- Tlokwe Local Municipality EMF Desired State – Wetlands Report
- Wetland investigation Report for the Proposed development on Ptns 37 and 40 of the Farm Witkoppe 64 IR, Jet Park

- Wetland specialist report EIA for the proposed electrical distribution infrastructure to service NMPP inland terminal 2
- Wetlands Assessment Report Proposed 44kV Substation and Powerline in Delmas North

#### **Visual Assessments**

- Visual Impact for the proposed re-commercialisation of the Skukuza Airport

**Aug 2005 – Dec 2006**

#### **Infusion Kenya Limited Regulatory Affairs and Quality Assurance Executive**

- Process and quality system audit: Ensure actual processes and procedures in both QC and production departments are reflected in the relevant SOPs and identifying the gaps between the actual and ideal states of operation for continual improvement.
- Follow up on corrective and preventive action reports.
- Preparing all annual product review of all QC records.
- Prepares schedules and heads the stability program in IKL.
- Assisting in the management and compliance of the QMS and EMS
- In-Charge of the Environmental Health and Safety section in the company

**Jan 2004– July 2005**

#### **Infusion Kenya limited: Quality Control Analyst**

- Carrying out chemical and microbiological analysis of water and samples both in the bulk stage and finished stage of production using the appropriate laboratory equipment
- Performing chemical and microbiological analysis of all active and inactive raw materials used in production.
- Overseeing the duties of the microbiology Laboratory as a chief microbiologist and representing the department during inspections.
- Conducting various Microbiological tests such as sterility testing, heat shock testing Bacterial Endotoxin Test Environmental monitoring and bioburden test.

**Jan 2003 – Dec 2003**

#### **Regional Institute of Management College Tutor**

- Teaching Biochemistry and Chemistry in the Pharmacy Department of Regional Institute of management

#### **PUBLICATION**

**Masters Thesis:** A critical review of current water use in Magadi Township, Kenya with recommendations for long term sustainable management practices