

**Personal Details**

<b>Date of Birth</b>	08 July 1994
<b>Nationality, Race</b>	African
<b>Gender</b>	Male
<b>No. of Years' Experience Post First Relevant Qualification</b>	4
<b>Current Employer</b>	GA Environment (Pty) Ltd
<b>Current Position</b>	GIS Specialist / Environmental Assessment Practitioner

**Professional Registrations / Memberships**

<b>Institution</b>	<b>Classification / Membership Number</b>	<b>Effective</b>
Environmental Assessment Practitioners Association of South Africa (EAPASA)	Environmental Assessment Practitioner Registration Number: 2019/867	2022
South African Council for Natural Scientific Professions (SACNASP)	Professional Natural Scientist: Geospatial Science Registration Number: 134178	2021
South African Council for Natural Scientific Professions (SACNASP)	Professional Natural Scientist: Environmental Science Registration Number: 134178	2021
International Association for Impact Assessment (SA)	Membership Number: 811837	2022
Geo-Information Society of South Africa (GISSA)	Membership Number: HSXC-6048	2022
Society of South African Geographers	Membership Number: 36/21	2021
Wildlife and Environment Society of South Africa	Membership Number: MB1243168	2021
South African Geomatics Council	GISc (Technologist)	In Progress

**Continuing Professional Development**

<b>Institution</b>	<b>Classification/ Certification / Course</b>	<b>Year</b>
Alison	ISO 14001:2015 - Environmental Management Systems (EMS)	2022
Alison	ISO 9001:2015 QMS Execution and Auditing Techniques	2022
International Association for Impact Assessment (SA)	Introductory EIA Report Writing	2020

**Academic Qualifications**

<b>Institution, Country</b>	<b>Degree / Diploma</b>	<b>Year</b>
University of Johannesburg, South Africa	MSc in Geography (GIS)	2021
University of Johannesburg, South Africa	BSc Honours: Geography (GIS and Strategic Environmental Planning)	2017



Institution, Country	Degree / Diploma	Year
University of Johannesburg, South Africa	BSc: Life & Environmental Sciences (Geography and Geology)	2016

### Languages and Proficiency (Excellent/Good/Fair)

Name of Language	Speak	Read	Write
English	Excellent	Excellent	Excellent
XiTsonga	Excellent	Good	Good
IsiZulu	Good	Fair	Fair

### Countries of Work Experience

- South Africa

### Overview

Vukosi Mabunda is a current Geographic Information Systems (GIS) Specialist and Environmental Assessment Practitioner with 4 years' working experience. He is one of the few dual registered professionals with SACNASP as a Professional Geospatial Scientist and Professional Environmental Scientist. He is also a registered Environmental Assessment Practitioner (EAP) with the Environmental Assessment Practitioners Association of South Africa (EAPASA). In addition, he is currently in the process of registering with the South African Geomatics Council as a GISc Technologist. Vukosi has dual professional background in Geographic and Environmental Sciences having academic qualifications which focused on these disciplines as well as work experience gained from previous organizations.

He has extensive GIS and Environmental knowledge and application skills with a Master of Science Degree in Geography and having worked within a GIS environment (ArcGIS) for 7 years and a post-graduation GIS experience of 4 years. In his Masters' Degree Qualification in Geography, Vukosi used GIS techniques to analyse groundwater patterns across the City of Johannesburg Metropolitan Municipality over a 20-year period. Vukosi has strong leadership skills, multi-tasking and dedication, but also allows to be lead and contribute towards the team goal. Importantly, he makes up for what he lacks in through his eagerness to learn and quick adaptation. One of his career highlights establishing a functional GIS Station for GA Environment and to support GladAfrica Group Departments.

### Previous Positions Held

Duration	Employer, Country	Position
March 2018 to April 2019	City of Johannesburg Metropolitan Municipality, South Africa	Environmental GIS Intern
February 2017 to November 2017	University of Johannesburg, South Africa	GIS Lab Assistant



Skills and Competencies

Field	Skill / Competency	Level
<b>Environmental Management / Impact Assessment</b>	Environmental Screening Report	Excellent
	DFFE Screening Tool Report	Excellent
	NEMA Query	Excellent
	Authority Liaison / Pre-application	Excellent
	Public Participation	Excellent
	Specialist Appointment and Management	Excellent
	Project Management / Planning	Good
	Basic Assessment Report / Process	Good
	Scoping and EIA	Good
	Environmental Management Programme and Plans	Good
	Environmental Compliance Auditing	Good
<b>Water Use Authorisation</b>	Understanding of e-WULAAS	Good
	Authority Liaison / Pre-application	Excellent
	Public Participation	Excellent
	Specialist Appointment and Management	Excellent
	Section 27 Motivation	Good
	General Authorisation / Water Use License Application	Good
<b>Geographical Information Systems</b>	Capturing Primary Data	Good
	Sourcing Secondary Data	Excellent
	Data Manipulation	Good
	Digitizing	Excellent
	Database Management	Fair
	Locality Mapping	Excellent
	Sensitivity Mapping	Excellent
	Land Use / Land Cover Change Detection Analysis	Good
	Overlay Analysis	Excellent
	Spatial Analysis	Good
	Viewshed Analysis	Fair
Digital Terrain Models	Fair	

Current and Completed Projects in the Last Ten Years

<b>Project Name: The Proposed Lower Coerney Balancing Dam – Algoa Water Supply System</b>	
<b>Client</b>	Department of Water and Sanitation
<b>Project Description</b>	Scoping & EIA Process and Water Use Licence Applications for the construction of the proposed Lower Coerney Balancing Dam
<b>Position Held/Role</b>	GIS Specialist & Environmental Assessment Practitioner
<b>Project Value (Exc. VAT)</b>	R 799 543.00
<b>Project Period</b>	August 2021 - August 2023*



<b>Location</b>	Sunday's River Valley Local Municipality, Eastern Cape
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitising;</li> <li>- GIS Mapping;</li> <li>- Capacity building and training;</li> <li>- Scoping and EIA Process;</li> <li>- Water Use Authorisation Process; and</li> <li>- Project Management.</li> </ul>
<b>Project Name: Development of Phase 1 of the Wild Coast Special Economic Zone (Mthatha)</b>	
<b>Client</b>	Coega Development Corporation
<b>Project Description</b>	Environmental Compliance Monitoring and Secretariat for the Environmental Monitoring Committee for the Development of the Special Economic Zone (Mthatha Airport)
<b>Position Held/Role</b>	GIS Specialist, Secretariat for Environmental Monitoring Committee, EAP and ECO
<b>Project Value (Exc. VAT)</b>	R 3,500,000.00
<b>Project Period</b>	February 2021 – January 2024
<b>Location</b>	Mthatha, Eastern Cape Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitising;</li> <li>- GIS Mapping;</li> <li>- ECO Monthly Audits;</li> <li>- Secretariat for Environmental Monitoring Committee; and</li> <li>- Project Management.</li> </ul>
<b>Project Name: SANRAL R101 ROAD UPGRADE</b>	
<b>Client</b>	BVi Consulting Engineers (Pty) Ltd on behalf of SANRAL
<b>Project Description</b>	Basic Assessment Process and Water Use Authorisation for the Proposed Upgrade of National Road R101 from Bela Bela to Modimolle
<b>Position Held/Role</b>	GIS Specialist, Environmental Assessment Practitioner & ECO
<b>Project Value (Exc. VAT)</b>	R 512 999.00
<b>Project Period</b>	November 2020 - April 2024*
<b>Location</b>	Waterberg District Municipality, Limpopo Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitising;</li> <li>- GIS Mapping;</li> <li>- Basic Assessment Process;</li> <li>- Water Use Authorisation Process;</li> <li>- Environmental Control Officer; and</li> <li>- Project Management.</li> </ul>
<b>Project Name: HDA Ennerdale Extension 2 Township Development</b>	
<b>Client</b>	GladAfrica Project Managers on behalf of the Housing Development Agency
<b>Project Description</b>	Basic Assessment and Water Use Authorisation for the proposed Ennerdale Extension 2 Township Development
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 350 000.00
<b>Project Period</b>	July 2021 - April 2023*
<b>Location</b>	Johannesburg South, Gauteng Province



<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitizing;</li> <li>- GIS mapping;</li> <li>- Environmental Screening Report;</li> <li>- NEMA Query;</li> <li>- Basic Assessment Process;</li> <li>- Water Use Authorisation Process; and</li> <li>- Project Management.</li> </ul>
<b>Project Name: Rehabilitation of Benmore Dam</b>	
<b>Client</b>	Zutari
<b>Project Description</b>	Basic Assessment for the rehabilitation of Benmore Dam on behalf of the Johannesburg Roads Agency (JRA)
<b>Position Held/Role</b>	GIS Specialist and Environmental Impact Assessment Practitioner
<b>Project Value (Exc. VAT)</b>	R 239 993.00
<b>Project Period</b>	January 2020 - June 2021
<b>Location</b>	Gauteng, South Africa
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitising;</li> <li>- GIS Mapping; and</li> <li>- Compilation of Final Basic Assessment Report.</li> </ul>
<b>Project Name: Greater Thaba Eco Village</b>	
<b>Client</b>	Balwin Properties
<b>Project Description</b>	Preliminary Environmental Impact Assessment of the proposed Greater Thaba Eco Village in Mulbarton.
<b>Position Held/Role</b>	GIS Specialist & Environmental Assessment Practitioner
<b>Project Value (Exc. VAT)</b>	R 502 340.00
<b>Project Period</b>	September 2020 – May 2021*
<b>Location</b>	Johannesburg South, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- Digitising;</li> <li>- GIS Mapping and Database Management;</li> <li>- Field Planning;</li> <li>- Environmental Assessment and Screening Report; and</li> <li>- Project Management.</li> </ul>
<b>Project Name: Rapid Land Release Programme: Package E</b>	
<b>Client</b>	Gauteng Department of Human Settlements
<b>Project Description</b>	Environmental Feasibility Assessment for the provision of housing.
<b>Position Held/Role</b>	GIS Specialist, Environmental Assessment Practitioner and Geotechnician
<b>Project Value</b>	R 1 582 608.70
<b>Project Period</b>	January 2021 - March 2021
<b>Location</b>	Various sites (14) across Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	<ul style="list-style-type: none"> <li>- GIS mapping;</li> <li>- Environmental Screening Reports; and</li> <li>- Desktop Geotechnical Reports.</li> </ul>
<b>Project Name: Rapid Land Release Programme: Package F</b>	
<b>Client</b>	Gauteng Department of Human Settlements
<b>Project Description</b>	Environmental Feasibility Assessment for the provision of housing.
<b>Position Held/Role</b>	GIS Specialist, Environmental Assessment Practitioner and Geotechnician



<b>Project Value</b>	R 2 260 869.57
<b>Project Period</b>	January 2021 - March 2021
<b>Location</b>	Various sites (20) across Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; - Environmental Screening Reports; and - Desktop Geotechnical Reports.
<b>Project Name: Upgrading of Informal Settlements Programme</b>	
<b>Client</b>	Gauteng Partnership Fund
<b>Project Description</b>	Environmental Feasibility Assessment for the provision of upgrading of informal settlements and provision of housing.
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value</b>	R 1 097 100.00
<b>Project Period</b>	October 2020 - December 2020
<b>Location</b>	Various sites (13) across Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Environmental Screening Reports.
<b>Project Name: Rapid Land Release Programme Package A &amp; B</b>	
<b>Client</b>	GladAfrica Consulting Engineers
<b>Project Description</b>	Provision of Housing
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 7 572 000.00
<b>Project Period</b>	July 2019 - July 2021*
<b>Location</b>	Gauteng Municipalities
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; - National Environmental Management Act (NEMA) query; - Environmental Screening Report; - Scoping and Environmental Impact Assessment; and - Environmental Management Plan.
<b>Project Name: Rapid Land Release Programme Package C (Feasibilities)</b>	
<b>Client</b>	GladAfrica Consulting Engineers
<b>Project Description</b>	Environmental Feasibility Assessment for the provision of housing.
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 960 869.57
<b>Project Period</b>	November 2019 - February 2020
<b>Location</b>	Dobsonville and Lenasia, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Environmental Screening Report.
<b>Project Name: Rapid Land Release Programme Package D (Feasibilities)</b>	
<b>Client</b>	GladAfrica Consulting Engineers
<b>Project Description</b>	Environmental Feasibility Assessment for the provision of housing.
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	TBC
<b>Project Period</b>	July 2020 - October 2020
<b>Location</b>	16 Sites in Ekurhuleni, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Environmental Screening Report.



<b>Project Name: ECO &amp; OHS Services at Vosloorus High Density Housing</b>	
<b>Client</b>	GladAfrica Consulting Engineers
<b>Project Description</b>	Environmental Auditing ECO Monitoring & OHS Agent Services, including Auditing & Monitoring
<b>Position Held/Role</b>	Environmental Control Officer
<b>Project Value (Excluding VAT)</b>	R 1 980 000.00
<b>Project Period</b>	09 August 2017 - 31 June 2020
<b>Location</b>	Vosloorus, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	Monthly Environmental Auditing
<b>Project Name: Foskor-Merensky 400kV Power Line</b>	
<b>Client</b>	Eskom Holdings
<b>Project Description</b>	Environmental Authorisation Amendment Application for Foskor-Merensky 400kV Power line
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 216 271.85
<b>Project Period</b>	January 2020 - November 2020
<b>Location</b>	Phalaborwa, Limpopo Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Public Participation Process.
<b>Project Name: NECSA Pipe Storage Facility</b>	
<b>Client</b>	Nuclear Energy Corporation South Africa
<b>Project Description</b>	Extension of existing storage facility
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 452 110.00
<b>Project Start Date</b>	May 2019 - February 2021
<b>Location</b>	Brits, North West Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Public Participation Process.
<b>Project Name: Moloto Road EIA - SANRAL R573 (K139)</b>	
<b>Client</b>	KBK Engineers (Pty) Ltd
<b>Project Description</b>	Environmental Impact Assessment of Borrow Pits and Provincial Road Construction
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 730 484.00
<b>Project Period</b>	December 2016 - TBC
<b>Location</b>	Pretoria, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Public Participation Process.
<b>Project Name: Mangaung Metropolitan Municipality Integrated Public Transport Network</b>	
<b>Client</b>	GladAfrica Consulting Engineers
<b>Project Description</b>	Environmental Management, Sustainability Advisory & OHS services as and when required for the Integrated Public Transport Network in Managing
<b>Position Held/Role</b>	GIS Specialist
<b>Project Value (Excluding VAT)</b>	R 4 705 056.00
<b>Project Period</b>	December 2015 - May 2020



<b>Location</b>	Bloemfontein, Free State province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	GIS Mapping.
<b>Project Name: Blyde River Canyon Universal Access EMPr</b>	
<b>Client</b>	COEGA Development Corporation
<b>Project Description</b>	Compilation a an EMPr for Bourke's Luck Potholes, Gods Window, Pinnacle Rock, Three Rondavels
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 46 495.00
<b>Project Period</b>	November 2019 - April 2020
<b>Location</b>	Blyde River Canyon Nature Reserve, Mpumalanga Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; and - Site Environmental Screening.
<b>Project Name: Eskom Battery Storage</b>	
<b>Client</b>	Eskom
<b>Project Description</b>	Two Basic Assessments for the installation of Battery Energy Storage Systems at Witzenberg and Nuwekloof substations.
<b>Position Held/Role</b>	GIS Specialist
<b>Project Value (Excluding VAT)</b>	R 292 402.60
<b>Project Period</b>	June 2018 - March 2020
<b>Location</b>	Nuwekloof and Witzenberg, Western Cape Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	GIS mapping
<b>Project Name: Internal Roads Northern Areas (Mabopane and Garankuwa)</b>	
<b>Client</b>	City of Tshwane
<b>Project Description</b>	Revamp of Mabopane Unit 4 and Garankuwa Block R roads and stormwater
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value</b>	R 11 429 000.00
<b>Project Period</b>	April 2018 – June 2019
<b>Location</b>	Mabopane and Garankuwa, Gauteng province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; - Environmental Management Plan; - Environmental Screening Report; and - National Environmental Management Act (NEMA) query.
<b>Project Name: Rhodesfield Mixed Land Use Development</b>	
<b>Client</b>	Cartoze Trading Properties (Pty) Ltd
<b>Project Description</b>	Proposed Mixed Land Use Development in Rhodesfield
<b>Position Held/Role</b>	GIS Specialist and Environmental Assessment Practitioner
<b>Project Value (Excluding VAT)</b>	R 20 000.00
<b>Project Period</b>	July 2019 - August 2019
<b>Location</b>	Kempton Park, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; - NEMA Query, and - Environmental Screening Report
<b>Project Name: City of Ekurhuleni Land Use Survey</b>	
<b>Client</b>	City of Ekurhuleni Metropolitan Municipality





<b>Project Description</b>	Land use survey within three areas of the City of Ekurhuleni to identify different land use types and provide overall analysis.
<b>Position Held/Role</b>	GIS Specialist
<b>Project Value (Exc. VAT)</b>	R 2 600 012.00
<b>Project Period</b>	April 2019 - June 2019
<b>Location</b>	Katlehong & Germiston, Gauteng Province
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS Field Mapping; - Field Navigation Planning, and - Database & Geodatabase maintaining, manipulating and updating.
<b>Project Name: City of Johannesburg's Bioregional Plan</b>	
<b>Client</b>	City of Johannesburg Metropolitan Municipality
<b>Project Description</b>	City of Johannesburg's Bioregional Plan (one of five parallel/multi-projects)
<b>Position Held/Role</b>	GIS
<b>Project Value</b>	R 1 500 000.00
<b>Project Period</b>	July 2018 – June 2020
<b>Location</b>	Johannesburg, Gauteng
<b>Tasks or Activities Performed/ Key Responsibilities</b>	- GIS mapping; - Analysis of 2011 Conservation Plan and 2016 Ground-truthing; and - Creating new spatial bioregional plan layers

### References

Reference Name	Position/Relationship	Cell Phone No.	E-mail Address
Nkhensani Khandlhela	Manager/Line Manager	073 171 7979	nkhensanik@gaenvironment.com
Lunelle Serobatse	Director/Former Director	082 555 0623	lunelles@joburg.org.za
Nyaladzi Nleya	Senior EAP/Colleague	078 329 7918	nyaladzin@gaenvironment.com

### Declaration

I confirm that the above information contained in the CV is an accurate description of my experience, skills and qualifications.

Vukosi Glen Mabunda

1 September 2022

**Full Name and Signature of Staff Member**

**Date**