



Personal Details

Date of Birth	15 June 1975
Nationality	British
Awards & Achievements	Senior Environmental Manager Vaal River Eastern Subsystem Augmentation Scheme (VRESAP) – Project of the Year 2005 <i>Engineering News, May 2005</i>
No. of Years' Experience	13
Current Employer	GA Environment (Pty) Ltd
Current Position	Managing Director & Principal Environmental Assessment Practitioner

Professional Registrations:

South African Council for Natural Scientific Professions (SACNASP)	Membership no.: 400135/05
SA Chapter, International Association of Impact Assessment	Member
South African Association of Botanists	Member
British Ecological Society	Member

Academic Qualifications

Institution (Date from – Date to)	Degree (s) or Diploma (s)
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Institution (Date from – Date to)	Degree (s) or Diploma (s)
University of the Witwatersrand 2000 - 2002	Master of Science: Animal, Plant & Environmental Sciences
University of Nigeria 1992 - 1999	Bachelor of Science (Honours): Botany & Chemistry

Training:

Steam Legal Compliance Solutions	Certificate in Construction Regulations (2015)
Green Building Council of South Africa	Green Building Professional Accreditation Course (2013)
University of Pretoria	Wetland Delineation, Rehabilitation & Management (2005)
International Association for Public Participation (IAP2)	Public Participation – Foundation Course (2007)



Corporate Overview

Mr Woghiren has thirteen years of professional experience in the Environmental Management discipline. He has been registered as a Professional Natural Scientist (Ecological Scientist), a legal requirement for professional consulting in natural science in South Africa, since 2005. He has also been a member of the British Ecological Society since 2000. He completed his MSc in 2002 at the University of the Witwatersrand, where he investigated the nutrient dynamics of a savanna (bushveld) in the Kruger National Park in the SAFARI 2000 research programme. He has extensive experience in applying various integrated environmental management tools, such as SEAs, EIA, and EMPs. His technical experience ranges from terrestrial ecology, wetland ecology, delineation, rehabilitation and management, Integrated Environmental Reporting, Integrated Sustainability Reporting, Biodiversity Mapping and Planning to Environmental Policy Formulation and Climate Change adaptation and mitigation strategies.

He has been responsible for assessments of a large number of projects in various sectors involving wetland resources, mixed-use urban developments, linear infrastructure (roads, railways, ports, power lines, etc.), and mining operations. He has led multidisciplinary teams on several projects in South African and the SADC region since 2002. Since January 2013 he has been the Managing Director and Lead Environment Scientist at GA Environment, where he is responsible for technical peer review and business development among others.

Previous Positions Held

Institution (Date from – Date to)

Position

GA Environment (Pty) Ltd January 2013 – Current	Managing Director & Principal Environmental Assessment Practitioner
GladAfrica Holdings (Pty) Ltd September 2012 – December 2012	Director & Board Member: GladAfrica Holdings (Pty) Ltd
Tholoana Sustainable Development & Environmental Consultants January 2010 – August 2012	Managing Member
Strategic Environmental Focus (Pty) Ltd October 2002 – December 2009	Branch Manager & Lead Environmental Scientist
PD Naidoo & Associates August 2001 – December 2001	Environmental Assistant
Uhere University Centre January 1994 – December 1998	Assistant Director



Outline of Recent Assignments / Experience

Climate Change Mitigation & Adaptation Experience

I. Municipal Response to Climate Change - Project Leader:

- National Climate Change Response Policy (March 2009)

Client:	City of Johannesburg (COJ) on behalf of the South African Local Government Association (SALGA), Contact: Ms Linda Manyuchi (former Director: Energy & Climate Change CoJ) - 083 528 1772
Duration:	March 2009 – July 2009
Role:	Project Leader & Technical Peer Reviewer
Responsibilities:	Preparation and Technical Peer Review of final Discussion Document for the 2009 National Climate Change Response, Policy development Summit, Gallagher Convention Centre, Midrand, 3-6 March 2009). Coordination of Municipal Workshops in 7 of the country's 9 Provinces, to collate and report on their activities in response to climate change, in preparation for National Indaba in East London (July 2009)

- City of Johannesburg Climate Change Strategy, 2009

Client:	City of Johannesburg (COJ) Directorate: Energy & Climate Change, Contact: Ms Linda Manyuchi (former Director: Energy & Climate Change) - 083 528 1772
Duration:	March 2009 – July 2009
Role:	Project Leader & Technical Peer Reviewer

II. United Nations Convention on Climate Change (UNFCCC). Preparation of the 2nd National Communication. Contributing author

Client:	South African National Biodiversity Institute on behalf of the Department of Environmental Affairs. Contact Dr Brian Matlana 072 383 8197 / b.matlana@sanbi.org.za
Duration	August 2009 – October 2009
Role:	Contributing authors for preliminary chapter; attendance of preparatory workshops in Cape Town, preliminary contributions as consultants and co-authors.

Large-Scale Infrastructure

- University of Cameroun II (Soa Campus) proposed construction of student accommodation and social housing in 5 cities in Cameroon



Client:	4 Degrees South (Pty) Ltd on behalf of the Government of Cameroun
Duration:	March 2014 – October 2014
Project Value	Undisclosed
Role:	Principal Environmental Assessment Practitioner
Responsibilities:	Environmental feasibility assessments for bankable feasibility

- Environmental and Social Impact Assessment for the proposed Tourel Building Complex, a 35-storey complex in Yaoundé, Cameroun

Client:	Umnombo Consortium Partners (Pty) Ltd on behalf of ARSEL and the Government of Cameroun
Duration:	March 2014 – October 2014
Project Value	US\$127 million
Role:	Principal Environmental Assessment Practitioner
Responsibilities:	Leading the team for specialists undertaking the Environmental and Social Impact Assessment as per the World Bank Guidelines

- Upgrading of Internal Roads and Stormwater Management infrastructure in the northern areas of the Pretoria: in Moretele/Kekana Gardens, Mandela Village and Stinkwater

Client:	City of Tshwane Metropolitan Municipality
Duration:	April 2014 – April 2015
Project Value	R368 768 377, 59
Role:	Principal Environmental Assessment Practitioner
Responsibilities:	<ul style="list-style-type: none">• Basic Assessments• Water Use License Application• Coordination and Management of Specialist Studies and public participation processes

- Proposed Lueven petroleum storage and fractionation unit

Client:	Lueven Terminals (Pty) Ltd.
Role:	Lead EAP

- Four Strategic Environmental Assessments to support the Electrical Network Master Plans of the Western Cape Peninsula, Margate, KwaZulu-Natal, Pretoria Area and the Central Region. Role included project technical advisory and leadership of project team, financial control, programme management and client liaison.

Client:	NETGroup Solutions on behalf of Eskom Distribution
Role:	Project Leader



- Environmental Impact Assessment of the Expansion of the Sishen-Saldanha Iron Ore Export Handling Facility at Saldanha Bay, Western Cape, South Africa. I managed the project from August 2005 and late continued on the core team of Environmental Assessment Practitioners. Roles included Environmental process management and quality control reviewing, specialist coordination, client liaison, etc. The project was managed by Transnet Projects, which is the Capital expenditure arm of Transnet Limited.

Client:	Dr Max Clark, Transnet Projects
Role:	Project Manager

- The development of a Biodiversity Framework and Strategy for the City of Tshwane Metropolitan Municipality, Gauteng, South Africa. I managed the project from its inception up to August 2007. Roles included biodiversity planning, managing the strategy development process, quality control, specialist coordination, client liaison, etc. The project was managed by Ms Adri Venter, Acting General Manager: Environmental Management.

Client:	City of Tshwane Metropolitan Municipality
Role:	Project Manager

- For the environmental impact statement and environmental management of issues surrounding the Pearls of Umhlanga Development, Umhlanga Rocks, Kwa-Zulu Natal. Tasks entailed managing a technical team tasked with assessing environmental concerns and public issues raised on the development.

Client:	Mr Trevor Botsis, Pearls of Umhlanga Pty Ltd
Role:	Project Manager

- Extended scoping exercise and report compilation for the proposed formalisation of the Sonop to Segwaelane Road, Brits, North West Province, South Africa. Client – Arup (Pty) Ltd.

Client:	Arup (Pty) Ltd
Role:	Project Manager

- Environmental Impact Assessment for the Vaal River Eastern Sub-system Augmentation Project (VRESAP). A 116km bulk water pipeline, with associated infrastructure between



Gauteng and Mpumalanga Provinces, South Africa. Project was completed in 4-months, and was voted Project of the year (Engineering News, December 9-15, 2005).

Client:	Trans-Caledon Tunnel Authority
Role:	Senior Environmental Manager

Electricity Infrastructure

- Comparative Environmental Assessment of the proposed upgrade from 400kV to 765kV of the Mercury-Perseus Transmission power line (±285km) in the Free State Province, South Africa.

Client:	ESKOM Transmission Land & Rights
Role:	Project Manager

- Construction Environmental Management Plan for the proposed Mercury-Perseus 765kV Transmission power line, Free State Province, South Africa.

Client:	ESKOM Transmission Land & Rights.
Role:	Project Manager

- Environmental Impact Assessment for the Mercury-Perseus 400 kV Transmission power line (±285km) in the Free State Province, South Africa.

Client:	ESKOM Transmission Land & Rights
Role:	Environmental Manager

- A total of 15 projects: 3 EIAs, 7 Scoping studies and 5 Exemptions, required as part of the Swaziland Electricity Board 400 kV Integration Phase II. Project included route planning and determination with surveys across various towns and city centres in Swaziland.

Client:	Swaziland Electricity Board
Role:	Project Manager

- For the extended scoping process and compilation of a scoping report for a 33 kV Distribution line in Muldersdrift, Krugersdorp, Gauteng Province, South Africa.



Client:	Mogale City Local Municipality
Role:	Project Manager

- For the development of an Environmental Management Plan for the construction of a 33 kV Distribution line in Muldersdrift, Krugersdorp, Gauteng Province, South Africa.

Client:	Mogale City Local Municipality
Role:	Project Manager

- For the development of an Environmental Management Plan for the Chamdor – Factoria 33kV power line, Gauteng Province South Africa.

Client:	Mogale City Local Municipality
Role:	Project Manager

- A scoping exercise and report compilation for Doornfontein Filling Station.

Client:	Oleum (Pty) Ltd
Role:	Environmental Manager

- An extended scoping exercise and report compilation for Pick n Pay's proposed Retail Centre in Hurlingham, Gauteng Province, South Africa.

Client:	Abland (Pty) Ltd
Role:	Project Manager

- An Environmental Impact Assessment for the proposed Spencer-Tabor 275 kV Transmission power line (±85km) in Limpopo Province, South Africa.

Client:	Ms Mamokete Mafumo, Eskom Transmission Land & Rights
Role:	Project Manager

- For the Initial Environmental Evaluation (IEE) of the proposed Co-generation Power Plant at the Ubombo Sugar Factory, Big Bend, Swaziland.

Client:	Mr Eckard Lucht, Illovo Sugar Ltd
Role:	Project Manager



Conservation Management

- Proclamation of 2 Municipal Nature Reserves: Klipriviersberg and Kloofendal in terms of the National Environmental Management: Protected Areas Act, 2003 (Act No. 57 of 2003).

Client:	City of Johannesburg: Environmental and Infrastructure Services Department, Contact: Mr Tendamudzimu Mathagu
Duration:	January 2014 – December 2014
Project Value	R955 320, 00
Role:	Project Leader
Responsibilities:	Conservation management and advisory; compilation of management plans

- Securing of Gauteng Biodiversity Priority Sites – Strategic Biodiversity Management and Consulting Services. This project entailed conducting all the due diligence and processes required to formally proclaim over 21 conservation areas as Protected Areas in terms of the National Environmental Management Biodiversity Act, (Act No. 57 of 2003).

Client:	South African National Biodiversity Institute (SANBI) and GDARD
Role:	Project Manager
Responsibilities	Conservation management and advisory; stakeholder engagement; consultation and management proclamation process

Environmental Management

- Centurion Lake Rehabilitation Project: proposed construction of a system of wetlands, silt traps, and litter traps for the rehabilitation of the lower Hennops River and the Upper Kaalspruit system, City of Tshwane, Gauteng

Client:	City of Tshwane Metropolitan Municipality
Role:	Lead Environmental Assessment Practitioner

- Apies River Berm and Rehabilitation Project: proposed construction of a two berms along the reach of the Apies River from the K8 Rosslyn Bridge to the Wonderboom junction for flood management and stormwater attenuation along the Apies River, City of Tshwane, Gauteng



Client:	City of Tshwane Metropolitan Municipality
Role:	Lead Environmental Assessment Practitioner

- Four Environmental Impact Assessments for the development of solar-powered electricity generation plants in the Rustenburg, North West Province. Roles included project technical advisory and leadership of project team, financial control, programme management and client liaison for over 480MW of power generation projects.

Client:	nxG Energy cc.
Role:	Project Leader

- Basic Assessment Process for Vermeulen Point Hills Mixed-use development, City of Tshwane, Gauteng Province, South Africa.

Client:	MMI Holdings (Pty) Ltd on behalf of Department of Local Government & Housing.
Role:	Project Manager

- Munsieville Extension 5, Mogale City, Gauteng Province.

Client:	MMI Holdings (Pty) Ltd on behalf of Department of Local Government & Housing.
Role:	Project Manager

- Priority Townships Programme Strategic environmental input on 20 Poorest Townships and 50 Poorest Wards in Gauteng for the office of the Premier – MMI Holdings (Pty) Ltd on behalf of Matlong Consortium.

Client:	MMI Holdings (Pty) Ltd on behalf of Matlong Consortium
Role:	Project Manager & Environmental Scientist

- Munsieville Extension 5: ROD Amendment and Environmental Management Programme, Mogale City, Gauteng Province

Client:	Mogale City, Gauteng Province
Role:	Project Manager & Environmental Control Officer



Infrastructure

- Environmental Impact Assessment Process for Avianto Estates, a 260ha Mixed-use Development incorporating housing for LSM groups 1 to 10 in Mogale City, Gauteng Province, South Africa. Project successfully completed with an Environmental Authorisation in July 2012.

Client:	D'Oliveira Developments (Pty) Ltd.
Role:	Project Manager & Lead EAP

- Stone River's Arch, a proposed 89ha Mixed-use development in Johannesburg.

Client:	Thaba Ya Batswana Eco-tourism (Pty) Ltd
Role:	Project Director & Environmental Assessment Practitioner

- Basic Assessment Process for Orient Hills Mixed Land Use development Mogale City, Gauteng Province, South Africa.

Client:	Acquion Global Projects (Netherlands based client)
Role:	Project Manager

- ROD Amendment: Westgate Park Extension 9: Upgrading and formalisation of Princess Plot Informal Settlement into affordable housing with mixed use typologies.

Client:	Bagale Consulting. Successfully completed in 2012
Role:	Project Manager

- For the extended scoping process and compilation of the scoping report for a Mixed-use development on William Nicol, Hurlingham, Gauteng Province, South Africa.

Client:	RPP Developments (Pty) Ltd
Role:	Project Manager

- Environmental Impact Assessment of the Menlyn Roads Upgrade in Pretoria, Gauteng Province, South Africa.

Client:	South African National Roads Agency Ltd and City of Tshwane Metropolitan Municipality
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Specialist Ecological Input

- Biodiversity and habitat assessment, with sensitivity mapping utilising GIS for the State of the Environment Report (SoER) of West Rand District Municipality (as well as its four constituent local municipalities, including the Cradle of Humankind World Heritage Site). Compiled the Habitat and Biodiversity section of final SoER for publication in the DEAT-approved Publikit format.

Client:	West Rand District Municipality
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- An ecological scan for various distribution lines as part of the Swaziland Electricity Board 400 kV Integration Phase II.

Client:	NETGroup on behalf of Swaziland Electricity Board
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- Biodiversity and habitat assessment, with sensitivity mapping as part of a State of the Environment Report (SoER) for the Sedibeng District Municipality. Compiled the Habitat and Biodiversity section of final SoER for the DEAT approved Publikit format.

Client:	Sedibeng District Municipality
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- Ecological assessment and sensitivity mapping, utilising GIS as a mapping tool, for the N1/R21 Quadrant within Gauteng.

Client:	GDARD, then known as Gauteng Department of Agriculture, Conservation, Environment and Land Affairs - GDACEL
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- Vegetation assessment including sampling and sensitivity mapping utilising GIS for proposed platinum mine north of Pilanesberg National Park, Rooderand

Client:	Anglo Platinum
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- Vegetation assessment including sampling and sensitivity mapping utilising GIS for proposed Boekenhoutkloof Clay Quarry adjacent to the southern slopes of the Magaliesberg Protected Natural Environment.

Client:	Ceramic Industries
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- Vegetation assessment and sensitivity mapping utilising GIS for the State of the Environment Report for Mogale City Local Municipality (a total area of 110 000 hectares). Compiled Habitat and Biodiversity section of final SoER.

Client:	Mogale City Local Municipality
Role:	Terrestrial Ecologist

- Vegetation sensitivity mapping as part of an ecological status quo report for the Ekurhuleni Local Municipality.

Client:	Plan Associates, on behalf of Ekurhuleni Local Municipality
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- A vegetation scan at the site for the proposed establishment of Montana extension 77 on portion 28 of the farm Hartebeestfontein 324-JR, Pretoria, Gauteng - Sinoville Flats West (Pty) Ltd.

Client:	Sinoville Flats West (Pty) Ltd
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- A vegetation assessment at the site for the proposed Allens Nek extension 49 on portions 12 and 13 of the farm Klipdrift 121 JR, Gauteng – African Resource Consulting.

Client:	African Resource Consulting
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- A vegetation scan of the site for proposed the Winterveldt Reconstruction & Redevelopment Programme (Phases 1 and 2), North West - Malukele Luthuli & Associates.

Client:	Malukele Luthuli & Associates
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- Several Faunal and Floral Red Data Studies for various projects.



Client:	Mogale City Local Municipality
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- A vegetation scan at the site for the proposed Vlakfontein Golf Estate on the farm Vlakfontein 30 JR, Gauteng

Client:	Sixbar Trading 667 cc
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- An ecological assessment for a proposed residential development within the Bronberg, Pretoria.

Client:	Dr Nick Anderson.
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- An ecological scan for the proposed formalisation of the Sonop to Segwaelane Road, Brits, North West.

Client:	Arup (Pty) Ltd.
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- An ecological assessment for a proposed Bush Lodge on the farm Waterval 267 KQ, within Marakele Park Pty Ltd, Lephalele, Limpopo Province, South Africa.

Client:	Marakele Park Pty Ltd
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Teaching Experience

- Teaching assistant: and Tutor - University of the Witwatersrand (Wits) 2000 – 2002. Tasks included:
 - Teaching Botany and Zoology courses to College of Science 1st years.
 - Fieldtrips with 1st and 2nd year students involving vegetation sampling and identification, in the Witwatersrand National Botanical Gardens.
 - Teaching laboratory experiments in Plant Physiology, Zoology and Botany.
- Presented a four-part series of lectures to 2nd and 4th year students (about 40–50 in total) in the School of Civil and Environmental Engineering on Environmental Impact Assessment



and Environmental Management Plans. The lectures included other components of Integrated Environmental Management (June 2004).

- Received a commendatory letter, which is only awarded to the best Teaching Assistants in recognition of their invaluable role as mentors for undergraduate students.
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Publications, Papers and Conferences

- Special British Ecological Society and Institute of Ecological and Environmental Management Symposium on Ecological Impact Assessments: Science and Best Practice, Bath Spa University: 11-12th July 2006.
- Biogeochemistry: the cycling of nutrients. In *The Kruger Experience: Ecology and Management of Savanna Heterogeneity*, Du Toit, J.T., Biggs, H.C. & Rogers, K.H. (eds.) Island Press, USA (2003) (Co-authored with Robert Scholes, Mary Scholes, and Luanne Otter).
- Elemental interactions and constraints on root symbiont functioning. In: *SCOPE 61 Interactions of the Major Biogeochemical Cycles: Global Change and Human Impacts*, edited by J.M. Melillo, C. B. Field and B. Moldan. Special paper submitted to the Scientific Committee on Problems of the Environment (SCOPE) Rapid Assessment Project Workshop on Element Interactions, 7-11 October 2002, Karolinum, Charles University, Prague. Published in 2003, Island Press, Washington USA (Co-authored with Mary Scholes).
- Soil nitrogen dynamics of the savanna flux site at Skukuza, Kruger National Park: EOS validation from a biogeochemical perspective. Paper presented at the 27th Annual Conference of the South African Association of Botanists, 14-17 January 2001, Rand Afrikaans University, Johannesburg.