

APPENDIX 1: EAP CV

MAGNUS VAN ROOYEN



Profession	PRINCIPAL ENVIRONMENTAL SCIENTIST
Position in Firm	EXECUTIVE ASSOCIATE
Area of Specialisation	ENVIRONMENTAL IMPACT ASSESSMENTS, SCOPING REPORTS, PRELIMINARY ENVIRONMENTAL ASSESSMENT, MINING RIGHT AND PERMIT APPLICATIONS, ENVIRONMENTAL CONTROL OFFICER DUTIES; ENVIRONMENTAL MANAGEMENT PROGRAMMES, STRATEGIC ENVIRONMENTAL ASSESSMENTS, WILDLIFE MANAGEMENT PLANS, ENVIRONMENTAL EDUCATION PROGRAMS AND AGRICULTURAL DEVELOPMENT PLANS.
Qualifications	BSc (Botany and Zoology), BSc (Hons), Post Graduate Certificate in Education (Science and Biology), MPhil. (Environmental Management)
Years of Experience	14
Years with Firm	13

SUMMARY OF EXPERIENCE

Mr Van Rooyen is currently an Executive Associate and the Regional Head of the Environmental Division of a National Consulting Engineering Firm in South Africa. He is located in Pietermaritzburg, KwaZulu-Natal.

In addition to holding a Masters degree in Environmental Management, he also holds a BSc degree in Botany and Zoology, an Honors Degree in Botany and a Post Graduate Certificate in Education. He has 13 years' experience in projects involving Environmental Impact Assessments in various developmental sectors (Mining and Agricultural Sector, National Roads, Pipelines, Dams, and Residential Developments), conducting of Specialist Biodiversity Assessments associated with Environmental Impact Assessments and Project Feasibility Studies. He has experience in the compilation of Resettlement Policy Framework Plans associated with infrastructure development projects. Mr van Rooyen has experience in working on various private and public sectors as well as rural and urban environments in various countries.

Mr Van Rooyen's expertise lies within the large infrastructure development and mining sector where he has gained extensive exposure to all the aspects of projects from the pre-feasibility, environmental impact assessment and implementation and monitoring stages. In addition, he has conducted Due Diligence Assessments as well as Environmental Compliance Monitoring and Management of a variety of infrastructure development, energy and mining sites.

EDUCATION

Date (from – to): 1995-1998
Degree/Institution: BSc – Botany & Zoology (Stellenbosch University)
Date (from – to): 1999
Degree/Institution: Special Student - Department of Agriculture (Stellenbosch University)
Date (from – to): 2001
Degree/Institution: BSc Honnours – Botany (Stellenbosch University)
Date (from – to): 2002
Degree/Institution: Post Graduate Certificate in Education (Stellenbosch University)
Date (from – to) 2003 – 2005
Degree/Institution: Masters Degree in Environmental Management (Stellenbosch University)

Other Training: **2008 – 2009** Jeffares and Green Consulting Engineers and Environmental Consultants Accelerated Development Programme
2014: Wetland Delineation and Modeling Course – Rhodes University
2015: Wetland Buffer Determination Course – Water Research Commission

EMPLOYMENT RECORD

Date (from – to) 1999
Location Witley Bay, Northumberland, United Kingdom
Employer Marden Bridge Middle School
Position(s) Physical Education Teacher
Description Physical Educator associated with the Marden Bridge Middle School Sport Centre.

Date (from – to) 2000
Location Bradenton, Florida, USA
Employer Gene's Citrus Ranch
Position(s) Farm Manager
Description Management of the day to day operations of an export citrus farm

Date (from – to) 2001 – 2002
Location Stellenbosch, Western Cape, South Africa
Employer Paul Roos Gymnasium
Position(s) Biology Teacher
Description Teaching the South African Biology curriculum to high school pupils.

Date (from – to) 2002 – 2005
Location Stellenbosch, Western Cape, South Africa
Employer Department of Botany and Zoology, Stellenbosch University

Position(s)	Junior Lecturer in Botany
Description	Lectured the Botany practical component of the first-year Natural Science Degree.
Date (from – to)	2002 – 2005
Location	Stellenbosch, Western Cape, South Africa
Employer	Department of Conservation Ecology, University of Stellenbosch
Position(s)	Biodiversity Researcher
Description	Conducted field work, sampling, laboratory work and logistics associated with two projects within the Conservation Ecology Department
Date (from – to)	2006 - 2007
Location	Pietermaritzburg, KwaZulu-Natal, South Africa
Employer	Jeffares & Green (Pty) Ltd Consulting Engineers
Position(s)	Environmental Scientist
Description	Conducted field work, complete Applications for Environmental Authorisation (Basic Assessments and Full Scoping and EIAs)
Date (from – to)	2007 – 2010
Location	Pietermaritzburg, KwaZulu-Natal, South Africa
Employer	Jeffares & Green (Pty) Ltd Consulting Engineers
Position(s)	Senior Environmental Scientist
Description	Managing a team of scientists conducting field work, completing Applications for Environmental Authorisation (Basic Assessments and Full Scoping and EIAs) Conducting specialist wetland, biodiversity and ecological assessments for a range of infrastructure projects.
Date (from – to)	2011 - present
Location	Pietermaritzburg, KwaZulu-Natal, South Africa
Employer	JG Afrika (Pty) Ltd (previously Jeffares & Green (Pty) Ltd)
Position(s)	Principal Environmental Consultant
Description	Responsible for the management and operation of the Environmental Business unit. Conducting specialist wetland, biodiversity and ecological assessments for a range of infrastructure projects.

SPECIFIC EXPERIENCE

Port and Rail Projects

Name of Project:	Environmental Impact Assessment for the proposed expansion of Pier 1 within the Port of Durban
Client:	Transnet SOC
Project duration/date:	January 2014 – December 2016
Job Title and Duties:	Project Manager Project management duties associated with the Application for Environmental Authorisation and associated specialist studies for the

proposed expansions to the Pier 1 in the Port of Durban. The Project Management Duties also included the management of the programme, cashflows, invoicing and contractual matters relating to the NEC3 contract.

Name of Project: **Environmental Impact Assessment for the proposed Locomotive Turn Table on the coal line in the Port of Richards Bay**
Client: Transnet SOC
Project duration/date: April 2010 to December 2010
Job Title and Duties: Project Manager
Project management duties associated with the Application for Environmental Authorisation and associated specialist studies for the proposed expansions to the Locomotive Turn Table in the Port of Richards Bay. The Project Management Duties also included the management of the programme, cashflows, invoicing and contractual matters relating to the NEC3 contract.

Name of Project: **Environmental Impact Assessment for the proposed additional rail line into the Richards Bay Coal Terminal in the Port of Richards Bay**
Client: Transnet SOC
Project duration/date: March 2011 to October 2011
Job Title and Duties: Project Manager
Project management duties associated with the Application for Environmental Authorisation and associated specialist studies for the proposed expansions to the additional rail line into the Richards Bay Coal Terminal in the Port of Richards Bay. The Project Management Duties also included the management of the programme, cashflows, invoicing and contractual matters relating to the NEC3 contract.

Name of Project: **Environmental Impact Assessment for the proposed Ore Handling Facility near the village of Konta, Guinea, West Africa**
Client: Bellzone
Project duration/date: Augusts 2012 to February 2013
Job Title and Duties: Project Manager
Project management duties associated with the Application for Environmental Authorisation and associated specialist studies for the proposed expansion of the Ore Handling Facility near the village of Konta, Guinea, West Africa. The Project Management Duties also included the management of the programme, cashflows, invoicing and contractual matters relating to the General Conditions of Contract (GCC).

Name of Project: **Environmental Monitoring Duties for all the RME construction and maintenance projects within the Port of Durban**
Client: Transnet SOC
Project duration/date: September 2017
Job Title and Duties: Environmental Management of the construction and maintenance of structures and infrastructure within the Port of Durban for a duration of 3 years. The duties included conducting daily construction monitoring for the

various projects as well as the submission of monthly audit reports to the client.

Name of Project: **Feasibility Study for the expansion of the cement handling facilities in Lichtenburg and Delmas**

Client: Jeffares & Green (Pty) Ltd

Project Duration/date: August 2010

Job Title and Duties: Environmental component of the Feasibility Study for the expansion of the cement handling facilities. Duties included legal compliance with the Environmental Management suite of legislation as well as addressing the biodiversity aspect of the project.

Name of Project: **Environmental Impact Assessment for the proposed De Jaegersdrift Coal Siding**

Client: De Jaegersdrift Colliery

Project duration/date: August 2008

Job Title and Duties: Environmental Impact Assessment for the development of a coal siding at the existing De Jaegersdrift railway siding, near Dundee. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental Impact Assessment for the proposed Glencoe Coal Siding**

Client: Miranda Minerals

Project duration/date: June 2008

Job Title and Duties: Environmental Impact Assessment for the reopening and expansion of a coal siding at the Glencoe railway station in Glencoe. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Mining Projects

Name of Project: **Environmental and Social Impact Assessment for the Thubelihle Colliery near Glencoe**

Client: Thubelihle Mining

Project duration/date: July 2006

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Thubelihle Colliery near Glencoe. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Uithoek Colliery near Glencoe**

Client: Miranda Minerals

Project duration/date: September 2006

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Uithoek Colliery near Glencoe. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Burnside Colliery near Glencoe**

Client: Miranda Minerals

Project duration/date: July 2007

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Burnside Colliery near Glencoe. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Rourke's Drift Coal Mine, near Dundee**

Client: Ultimate Goal (Pty) Ltd

Project duration/date: January 2008

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Ultimate Goal Colliery near Glencoe. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Sesikhona Colliery near Dannhauser**

Client: Miranda Coal

Project duration/date: September 2010

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Sesikhona Colliery near Dannhauser. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Afrimat Ladysmith Hard Rock Quarry**

Client: Afrimat

Project Duration/date: July 2010

Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the mining right for the Afrimat Hard Rock Quarry near Ladysmith. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Taylor's Halt Hard Rock Quarry**

Client: Canton Trading (Pty) Ltd

Project duration/date: June 2011

Job Title and Duties: Project Manager

Environmental and Social Impact Assessment for the mining right for the Taylor's Halt Hard Rock Quarry near Pietermaritzburg. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the uMtamvuna Hard Rock Quarry**

Client: South African National Roads Agency Limited

Project duration/date: July 2008

Job Title and Duties: Project Manager

Environmental and Social Impact Assessment for the mining right for the SANRAL Hard Rock Quarry near uMtamvuna. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Amasundu Dolerite Quarry**

Client: Amasundu (Pty) Ltd

Project duration/date: June 2007

Job Title and Duties: Project Manager

Environmental and Social Impact Assessment for the mining right for the Amasundu Dolerite Quarry near Mtunzini. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Environmental and Social Impact Assessment for the Lodestone Magnetite Mine in Namibia**

Client: Lodesone (Pty) Ltd

Project duration/date: September 2011

Job Title and Duties: Project Manager

Environmental and Social Impact Assessment for the Lodestone Magnetite Mine in Namibia. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities. The duties also included the completion of the Environmental Rehabilitation Plan.

Name of Project: **Environmental and Social Impact Assessment for the expansion of the Konta Port Ore Loading Facility**

Client: Bellzone

Project duration/date: May 2013

Job Title and Duties: Project Manager

Environmental and Social Impact Assessment for the expansion of ore loading facility near the village of Konta in Guinea. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities. The duties also included the

completion of the Asset Register associated with the Resettlement Action Framework.

Name of Project: **Environmental and Social Impact Assessment for the 80km of gravel haul road**
Client: Bellzone
Project duration/date: October 2013
Job Title and Duties: Project Manager
Environmental and Social Impact Assessment for the 80km of ore haul road from the mine at Forecaria to the loading facility near the village of Konta in Guinea. The duties included the management of the process, public participation and report compilation and submission to the relevant authorities.

Name of Project: **Performance Assessment and Monitoring audits for various mines**
Client: Afrimat, Miranda Coal, Midmar Cruhsers, Amasundu Gravel, Lancaster Quarries, Ballito Crushers, etc.
Project duration/date: Ongoing
Job Title and Duties: Conducting the Performance Assessment and Monitoring audits for various mining operations on an annual basis.

Name of Project: **Calculation and updates of the quantum for Financial Provision for various mines**
Client: Afrimat, Miranda Coal, Midmar Cruhsers, Amasundu Gravel, Lancaster Quarries, Ballito Crushers, etc.
Project duration/date: ongoing
Job Title and Duties: Conducting the calculation and updates of the quantum for Financial Provision for rehabilitation for various mines.

Name of Project: **Due diligence assessment for the sale of the Klipwal Gold Mine near Pongola**
Client: Miranda Minerals
Project duration/date: June 2009
Job Title and Duties: Environmental Lead
Due diligence and risk assessment associated with the sale of the Klipwal Gold Mine. The assessment considered the legislated requirements of the mining operations as well as the environmental liabilities and risks that must be considered during the sale.

Name of Project: **Due diligence assessment on the Swakop Uranium Mine on behalf of the South African Public Investment Corporation**
Client: Public Investment Corporation
Project duration/date: October 2016
Job Title and Duties: Environmental Lead
Due diligence and risk assessment associated potential risk associated with investment in the Swakop Uranium Mine by the South African Public Investment Corporation. The assessment considered the environmental liabilities and risks that the investors may be exposed to.

Roads Projects

Name of Project: **Upgrading of the R30 between Beatrix Mine and Virginia**

Client: South African National Roads Agency Limited

Project duration/date: September 2009

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the R30 between Beatrix Mine and Virginia in the Free State. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **Upgrading of the R30 between Glen Lyon and Brandfort**

Client: South African National Roads Agency Limited

Project duration/date: September 2009

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the R30 between Glen Lyon and Brandfort in the Free State. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **National Road 3 – Chota Motala Road Interchange**

Client: South African National Roads Agency Limited

Project duration/date: May 2010

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the National Route 3 – Chota Motala Road Interchange in Pietermaritzburg. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **National Road 3 – New England Road Interchange**

Client: South African National Roads Agency Limited

Project duration/date: August 2007

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the National Route 3 – New England Road Interchange in Pietermaritzburg. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **National Route 3 – Epworth Road Interchange**

Client: South African National Roads Agency Limited

Project duration/date: September 2011

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading of the National Route 3 – Epworth Road Interchange in Pietermaritzburg. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 3 – Market Road Interchange

Client: South African National Roads Agency Limited

Project Duration/date: July 2016

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading of the National Route 3 – Market Road Interchange in Pietermaritzburg. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 2 – uMgeni Road Interchange

Client: South African National Roads Agency Limited

Project duration/date: August 2010

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading of the National Route 2 – uMgeni Road Interchange in Durban. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 2 – uMhlanga Interchange

Client: South African National Roads Agency Limited

Project duration/date: July 2012

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading of the National Route 2 – uMhlanga Interchange in Durban. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 2, section 27 – uThongati River to the Tongaat Toll Plaza

Client: South African National Roads Agency Limited

Project duration/date: June 2012

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading of the National Route 2, section 27 from the uThongati River to the Tongaat Toll Plaza in KwaZulu-Natal. Duties included the management of the EIA process including the

public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 11, section 7 – Nkunzi River to Fort Mistake

Client: South African National Roads Agency Limited

Project duration/date: September 2010

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the National Route 11, section 7 from the Nkunzi River to the Fort Mistake in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 3 – Key Ridge Viaduct

Client: South African National Roads Agency Limited

Project duration/date: May 2012

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the National Route 3, Key Ridge Viaduct in KwaZulu-Natal. . Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 2 – Edwin Swales Interchange

Client: South African National Roads Agency Limited

Project duration/date: October 2016

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the the National Route 2 – Edwin Swales Interchange in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: National Route 5, section 22 to 27

Client: South African National Roads Agency Limited

Project duration/date: January 2008

Job Title and Duties: Project Manager

Environmental Impact Assessment for the upgrading of the National Route 5, section 22 to 27 in the Free State. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Pipeline Projects

Name of Project: Mooi - Mpopana Bulk Water Supply Pipeline

Client: uMgeni Water

Project duration/date: September 2012

Job Title and Duties: Project Manager

Environmental Impact Assessment for the construction of the Mooi – Mpopana Bulk Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Bhekuzulu Rural Water Supply Scheme

Client: Sukuma Consulting Engineers

Project duration/date: April 2016

Job Title and Duties: Project Manager

Environmental Impact Assessment for the construction of the Bhekuzulu Rural Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Wembezi Rural Water Supply Scheme

Client: JG Afrika (Pty) Ltd

Project duration/date: May 2017

Job Title and Duties: Project Manager

Environmental Impact Assessment for the construction of the Wembezi Rural Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Manguzi Rural Water Supply Scheme

Client: JG Afrika (Pty) Ltd

Project duration/date: June 2017

Job Title and Duties: Project Manager

Environmental Impact Assessment for the construction of the Manguzi Rural Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Raising of the Nacala Dam

Client: Millennium Challenge Account - Mozambique

Project duration/date: September 2012

Job Title and Duties: Project Manager
Environmental Impact Assessment for the upgrading and raising of the Nacala Dam in Mozambique. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **KwaHlokoHloko Rural Water Supply Scheme**

Client: MNA Consulting Engineers

Project Duration/date: July 2010

Job Title and Duties: Project Manager
Environmental Impact Assessment for the construction of the KwaHlokoHloko Rural Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **Hillside Aluminium Smelter Desalination Plant**

Client: South 32

Project duration/date: March 2017

Job Title and Duties: Environmental Project Manager
Environmental Screening Assessment for the establishment of a desalination plant to augment the production water supply to the Hillside Aluminium Smelter in Richards Bay, KwaZulu-Natal.

Name of Project: **Mozal Aluminium Smelter Desalination Plant**

Client: South 32

Project duration/date: July 2017

Job Title and Duties: Environmental Project Manager
Environmental Screening Assessment for the establishment of a desalination plant to augment the production water supply to the Mozal Aluminium Smelter in Maputo, Mozambique. This included the management of the specialist studies associated with the feasibility study for the proposal.

Name of Project: **Camperdown Waste Water Treatment System**

Client: MNA Consulting Engineers

Project duration/date: June 20010

Job Title and Duties: Project Manager
Environmental Impact Assessment for the construction of Camperdown Sanitation Project in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: **KwaJobe Rural Water Supply Scheme**

Client: Jeffares & Green (Pty) Ltd

Project duration/date: September 2012
Job Title and Duties: Project Manager
Environmental Impact Assessment for the construction of the KwaJobe Rural Water Supply Pipeline in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Underberg Sanitation System

Client: Sisonke District Municipality
Project duration/date: May 2006
Job Title and Duties: Project Manager
Environmental Impact Assessment for the construction of Underberg Sanitation Project in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Himeville Sanitation System

Client: Sisonke District Municipality
Project duration/date: October 2011
Job Title and Duties: Project Manager
Environmental Impact Assessment for the construction of Himeville Sanitation Project in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Private and Public Sector Development Projects

Name of Project: Provincial Legislature Precinct

Client: KwaZulu-Natal Department of Public Works
Project duration/date: September 2011
Job Title and Duties: Project Manager
Environmental Impact Assessment for the establishment of the KwaZulu-Natal Legislative Precinct in Pietermaritzburg in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Camps Drift Mixed Used Development

Client: Ocean Spray Investments
Project duration/date: April 2008
Job Title and Duties: Project Manager
Environmental Impact Assessment for the establishment of the Camps Drift mixed use development in Pietermaritzburg in KwaZulu-Natal. Duties

included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Jozini Tiger Lodge

Client: Anton Brecher

Project duration/date: May 2011

Job Title and Duties: Project Manager

Environmental Impact Assessment for the establishment of the housing development associated with the Tiger Lodge in Jozini, in KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: Jozini Paradise Lodge

Client: Gert Ferreira

Project duration/date: August 2011

Job Title and Duties: Project Manager

Environmental Impact Assessment for the establishment of the Paradise Lodge in Jozini, KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Name of Project: eNyokeni Palace Expansion

Client: KwaZulu-Natal Department of Arts and Culture

Project duration/date: March 2014

Job Title and Duties: Project Manager

Environmental Impact Assessment for the expansion of the eNyokeni Palace near Nongoma, KwaZulu-Natal. Duties included the management of the EIA process including the public participation, specialist assessments and report compilation for submission to the relevant authority.

Biodiversity and Wetland Assessment Projects

Name of Project: Phalanndwa Coal Mine Biodiversity and Wetland Assessment

Client: uKhozi Environmentalists

Project duration/date: September 2017

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the Phalanndwa Coal Mine Expansion near Delmas.

Name of Project: **Lephalale Coal Mine Biodiversity and Wetland Assessment**
Client: Kongiwe Environmental Consultants
Project duration/date: April to August 2017
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the Lephalale Coal Mine near Lephalale.

Name of Project: **Riversdale Coal Mine Wetland Assessment**
Client: Nzingwe Consultancy
Project duration/date: May 2017
Job Title and Duties: Wetland Specialist
Undertaking the wetland specialist study in support of the Application for Environmental Authorisation and the Water Use Licence Application for the Riversdale Coal Mine near Vryheid.

Name of Project: **SAPPI Saiccor Wetland Assessment**
Client: WSP Environmental
Project duration/date: August 2017
Job Title and Duties: Wetland Specialist
Undertaking the wetland specialist study in support of the Application for Environmental Authorisation for the construction of flood protection measures associated with the SAPPI Saiccor Mill, uMkomaas.

Name of Project: **11th Avenue Interchange Wetland Assessment**
Client: WSP Environmental
Project duration/date: September 2017
Job Title and Duties: Wetland Specialist
Undertaking the wetland specialist study in support of the Application for Environmental Authorisation for the construction of the 11th Avenue Interchange, Durban

Name of Project: **SAPPI Saiccor Alien Invasive Plant – Risk Assessment**
Client: WSP Environmental
Project Duration/date: July 2017
Job Title and Duties: Vegetation Specialist
Undertaking of the risk assessment of the presence of various listed category I and II alien invasive plant species on the SAPPI Saiccor Mill site, uMkomaas.

Name of Project: Uithoek Colliery Wetland and Biodiversity Assessment

Client: Miranda Minerals

Project duration/date: August 2008

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Uithoek Colliery, Dundee.

Name of Project: Burnside Colliery Wetland and Biodiversity Assessment

Client: Miranda Minerals

Project duration/date: July 2007

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Burnside Colliery, Dundee.

Name of Project: Ultimate Goal Colliery Biodiversity Assessment

Client: Ultimate Goal

Project duration/date: June 2006

Job Title and Duties: Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Ultimate Goal Colliery, Dundee.

Name of Project: Sesikhona Colliery Wetland and Biodiversity Assessment

Client: Miranda Minerals

Project duration/date: September 2008

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Sesikhona Colliery, Dannhauser.

Name of Project: Taylors Halt Quarry Wetland and Biodiversity Assessment

Client: Canton Trading

Project duration/date: May 2006

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Taylor Halt Quarry, Pietermaritzburg.

Name of Project: Ladysmith Quarry Wetland and Biodiversity Assessment

Client: Afrimat

Project duration/date: October 2011

Job Title and Duties: Wetland and Biodiversity Specialist

Undertaking the wetland and biodiversity specialist study in support of the Mining Right Application for the establishment of the Afrimat Quarry, Ladysmith.

Name of Project: uMtamvuna Quarry Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: January 2005
Job Title and Duties: Biodiversity Specialist
Undertaking the biodiversity specialist study in support of the Mining Right Application for the establishment of the SANRAL Quarry, Kokstad.

Name of Project: N3 – Epworth Road Interchange Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: September 2010
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the N3 – Epworth Road Interchange, Pietermaritzburg

Name of Project: N3 – Chota Motala Road Interchange Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: June 2009
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the N3 – Chota Motala Road Interchange, Pietermaritzburg.

Name of Project: N3 – Market Road Interchange Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: October 2016
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the N3 – Market Road Interchange, Pietermaritzburg.

Name of Project: N2 – uMgeni Road Interchange Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: June 2012
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the N2 – uMgeni Road Interchange, Durban.

Name of Project: N2 – Mt Edgecombe Interchange Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited

Project duration/date: December 2012
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the N2 – Mt Edgecombe Interchange, Durban.

Name of Project: R30 Glen Lyon to Brandfort Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: June 2008
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the R30 between Glen Lyon and Brandfort.

Name of Project: R30 Virginia to Beatrix Mine Wetland and Biodiversity Assessment

Client: South African National Roads Agency Limited
Project duration/date: October 2008
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the upgrading of the R30 between Virginia and Beatrix Mine.

Name of Project: Nacala Dam rehabilitation Biodiversity Assessment

Client: Millennium Challenge Account - Mozambique
Project duration/date: June 2010
Job Title and Duties: Biodiversity Specialist
Undertaking of the biodiversity specialist study in support of the Application for an Environmental Permit for the rehabilitation and raising of the Nacala Dam, Mozambique.

Name of Project: Bhangazi Community Tented Camp Wetland and Biodiversity Assessment

Client: Environmental Resources Management
Project duration/date: March 2017
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the establishment of the Bhangazi Community Tented Camp in the isiMangoliso Wetland Park, St. Lucia.

Name of Project: SAPPI Ngodwana Mill Expansion Wetland and Biodiversity Assessment

Client: WSP Environmental
Project duration/date: June 2010
Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the expansion of the Ngodwana Mill, Waterval Boven.

Name of Project: ESKOM 22 kVA Lines Vegetation Assessments

Client: ESKOM Soc

Project duration/date: January 2015

Job Title and Duties: Vegetation Specialist
Undertaking of vegetation assessments for the establishment of various 22kVA electrification lines in KwaZulu-Natal.

Name of Project: Tombo to Mafini 300kVA Line Vegetation Assessments

Client: ESKOM Soc

Project duration/date: January 2014

Job Title and Duties: Vegetation Specialist
Undertaking of vegetation assessment for the route alignment of the 300kVA high voltage electricity line from the Tombo Substation to Mafini, Port St. Johns.

Name of Project: Port St. Johns Water Treatment Works Wetland and Biodiversity Assessment

Client: Element Consulting Engineers

Project duration/date: January 2014

Job Title and Duties: Wetland and Biodiversity Specialist
Undertaking of the wetland and biodiversity specialist study in support of the Application for Environmental Authorisation for the establishment of the Port St. Johns Water Treatment Works, Port St. Johns.

CONTINUED PROFESSIONAL DEVELOPMENT

Courses, Conferences & Workshops

- 2013 (September) - IAIAsa National Conference 2013
- 2014 (November) - New Techniques and Methods in EIA (Workshop)
- 2014 (September) - Wetland Identification and Delineation (Short Course)
- 2014 (September) - Wetland Modelling and Assessment (Short Course)
- 2014 (September) - Introduction to Wetland Rehabilitation (Short Course)
- 2015 (February) - 2014 EIA Regulations in Context (Seminar)
- 2015 (April) - Wetland Buffer Determination (Workshop)
- 2016 (July) - Department of Water Affairs (c) & (i) Training (Workshop)
- 2017 (February) - IAIAsa & EDTEA EIA Regulations Overview (Seminar)
- 2017 (May) - Legislative Amendments to the EIA Regulations (2014) (Training Course)
- 2017 (May) - Filtration & Drainage with Geosynthetics (Training Course)

PERSONAL DETAILS

Nationality – South African

Date of Birth – 4 September 1976
Domicile – Wartburg, KwaZulu-Natal, South Africa

Languages

Language	reading	speaking	writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent
German	Fair	Fair	Poor
Dutch	Fair	Fair	Poor
Zulu	Poor	Communication	Poor

PROFESSIONAL REGISTRATION AND SOCIETY MEMBERSHIP:

Professionally registered with the South African Council for Natural Scientific Professionals (SACNASP
Reg. No. 400335/11)
International Association of Impact Assessors – South Africa Suite, membership number 1839

KIM BRENT



Profession	ENVIRONMENTAL SCIENTIST
Position in Firm	SENIOR ENVIRONMENTAL SCIENTIST & ENVIRONMENTAL SECTION MANAGER (PORT ELIZABETH)
Area of Specialisation	<ul style="list-style-type: none"> • GIS MAPPING • ENVIRONMENTAL AUDITING • WATER USE LICENSE APPLICATIONS AND PLANT PERMIT APPLICATIONS • PUBLIC PARTICIPATION PROCESSES • BASIC ASSESSMENTS, SCOPING AND EIAs AND EMPRS • ECOLOGICAL ASSESSMENTS • WETLAND ASSESSMENTS • PROSPECTING AND MINING APPLICATIONS • QUANTUM CALCULATIONS • NEMA SECTION 24 G APPLICATIONS
Qualifications	PR SCI NAT; BSC HONS (BOTANY ENVIRONMENTAL MANAGEMENT); BSC (BOTANY & GEOGRAPHY)
Years of Experience	8 YEARS 9 MONTHS
Years with Firm	1 YEAR

SUMMARY OF EXPERIENCE

Kim is a Senior Environmental Scientist with 8.5 + years' experience and joined the Terratest team in September 2018. Kim is registered with the South African Council for Natural Scientific Professional (SACNASP) and holds a BSc degree with majors in Botany and Geography as well as a BSc (Hons) degree in Botany focussing on Environmental Management and GIS systems; both from NMMU. Her honours year focussed on Environmental Impact Assessments, Environmental Management and Geographic Information Systems. Kim's interests include Environmental Auditing, Scoping and Environmental Impact Assessments, Geographic information systems and Ecological Assessments. Kim's is well versed in the environmental legislation such as NEMA, the EIA regulations, the National Water Act, the MPRDA etc., as well as the local and provincial biodiversity spatial and planning tools for the Eastern, Western and Northern Cape Provinces. Kim has conducted a number of Prospecting Right Applications (in accordance with the MPRDA and NEMA), Basic Assessments and EIAs (in accordance with NEMA) in

South Africa and has been involved in a number of local mining projects within South Africa. At Kim's previous position, she assisted on various international mining ESIA's and ESMPs.

Kim has good knowledge of the applicable Biodiversity legislation such as the CARA Regulations, the NEM Biodiversity Act and the NEM Protected Areas Act. Kim has recently completed the Rhodes University short course on Tools for Wetland Assessments as well as a training course on IWRM, the NWA, and Water Use Authorisations, focusing on WULAs and IWWMPs.

EDUCATION

- 2005- Matric– Die Brandwag High, Uitenhage
- 2009 - BSc (Environmental Science – majoring in Botany and Geography) – Nelson Mandela University (previously NMMU)
- 2010- BSc Honours (Environmental Science – Botany Environmental Management) – Nelson Mandela University (previously NMMU)
- 2018 – Short Course (Tools for Wetland Assessments) – Rhodes University

PROFESSIONAL REGISTRATION

- Pr Sci Nat- Registered with the South African Council of Natural Scientific Professions as a Professional Natural Scientist in the field of Environmental Science (Reg No. 116766)
- SAAB - Member of the SA Association of Botanists (Member No. 565)
- IAIA Member

EMPLOYMENT RECORD

- | | |
|-------------------------|---|
| Date (from – to) | September 2018 -present |
| Location | Port Elizabeth, Eastern Cape, South Africa |
| Employer | Terratest (Pty) Ltd |
| Position(s) | Senior Environmental Scientist & Environmental Section Manager |
| Description | Make Applications for Environmental Authorisations (Basic Assessment Reports, Scoping and EIA's), Compile Environmental Management Programme Reports, Undertake Environmental Monitoring & Compliance Audits, Make Applications for Water Use Authorisations, Conduct Mining Applications, GIS Mapping, Conduct Specialist Assessments, Quantum Calculations, NEMA Section 24 G applications, Project Management, Financial Management, Mentoring of Junior Environmental Staff, etc. |
| Date (from – to) | February 2014– August 2018 |
| Location | Port Elizabeth, Eastern Cape, South Africa |
| Employer | EOH Coastal & Environmental Services |
| Position(s) | Senior Environmental Consultant and Second in line Branch Manager |
| Description | Make Applications for Environmental Authorisations (Basic Assessment Reports, Scoping and EIA's), Compile Environmental Management Programme Reports, Undertake Environmental Monitoring & Compliance Audits, Make Applications for Water Use Authorisations, Conduct Mining Applications, GIS Mapping, Conduct Specialist Assessments (Wetland and Vegetation), Quantum Calculations, NEMA Section 24 G applications, Project Management, Financial Management etc. |
| Date (from – to) | January 2011 – January 2014 |
| Location | Port Elizabeth, Eastern Cape, South Africa |
| Employer | CEN IEM unit |
| Position(s) | Environmental Consultant |

Description	Project management, Integrated environmental management including environmental impact assessments, environmental management programmes, botanical investigations, integrated development planning, public facilitation, environmental auditing, and public private partnership advisory services; Conduct vegetation mapping using the relevant software (ArcGIS, MapInfo), Perform other administrative duties required for project management, and Conduct fieldwork.
Date (from – to)	January 2010 – December 2010
Location	Port Elizabeth, Eastern Cape, South Africa
Employer	Nelson Mandela University
Position(s)	Practical Demonstrator
Description	Assist undergraduates with botany practicals, marking and correcting their practical reports, co-ordinating fellow demonstrators, and collating marks.

SPECIFIC EXPERIENCE

Terratest (Pty) Ltd

September 2018 – Date

Position – Senior Environmental Scientist & Environmental Section Manager

Proposed establishment of a mixed-use development on erf 1792, Parsons Vlei, Port Elizabeth, Nelson Mandela Bay Municipality – Part 2 Amendment.

Installation of civil services for Erf 818-863, Ward 51, Uitenhage, NMBM – CEMPr and ECO

Proposed upgrade and expansion of the existing Burgersdorp Correctional Facility, Burgersdorp – Basic Assessment Process and WUA

Rietfontein Dam WULA – ECO

R75 Interchange Upgrade – WUA

Upgrade of the Nelson Mandela Museum – Basic Assessment Process and WUA

Coega West Wind Farm Development – ECO

OAC Church Development – Opinion letter, Wetland Assessment and WUA

Morgans Bay Sanitation upgrade – Basic Assessment Process and WUA

Proposed upgrading of National route R335 between Motherwell (km 5.600) and Addo (km 37.600), within the NMBM and SRVLM – Vegetation Assessment

Environmental Screening Assessment to determine the extent of environmental authorisation requirements for the Department of Roads and Public Works (EC DRPW), Riet River Access road.

Quality control of various ECO projects

GIS mapping for various project

EOH Coastal & Environmental Services

February 2014 – August 2018

Position – Senior Environmental Consultant

Almenar Prospecting Applications – Public Consultation and Environmental Management and Rehabilitation Plans.

Augmentation of the Lusikisiki Regional Water Supply Scheme, Eastern Cape Province, South Africa – Scoping and Environmental Impact Assessment.

Balama Graphite Mine in the Cabo Delgado Province in the District of Balama in Northern Mozambique - Environmental and Social Health Impact Assessment.

Calmag Limestone Prospecting Applications – Public Consultation and Environmental Management and Rehabilitation Plans.

Enterprise Deposit, North Western Province, Zambia – Environmental Impact Statement assistance
Existing Innovative Mouldings Plastic Recycling Facility, Holland Park, Port Elizabeth - Application For A Waste Licence & Basic Assessment.

Gibson Bay Wind farm in the Kouga Local Municipality - Environmental Management Programme.

Glenhurd Road upgrade and Baakens River Bridge – Basic Assessment, Ecological Input and Water Use Licence Application (Section 21 c & i).

Implications of a Proposed Residential Development on Portion 15 of the Farm Calenick, Banhoek, Stellenbosch in the Western Cape Province – Environmental Opinion Report.

Innowind Ukomeleza and Olifantskop Substations and Overhead Powerlines – Basic Assessment and Ecological Input.

K2014173205 (SOUTH AFRICA) (PTY) LTD Prospecting applications – Basic Assessment, EMPr and Rehabilitation plan (2014 Regulations).

Kenhardt Mineral Prospecting Applications – Public Consultation and Environmental Management and Rehabilitation Plans.

Khaymrandi extension node ECO services – Environmental Control Officer (Auditing) for various phases of the project.

Kouga Wind Farm in the Kouga Municipality – Environmental Auditing.

Kurlandbrik updated Mining EMPr and Rehabilitation plan and SLP.

Masakhane Housing Development in Kwazakhele, Port Elizabeth – Basic Assessment.

New Senior Primary School, Andrieskraal, Eastern Cape – Basic Assessment and Water Use Licence Application (Section 21 e and f).

TNPA sand removal maintenance – Environmental Monitoring and plant permit applications.

Renewable Energy Visitors Centre, Jeffery's Bay, Eastern Cape - Vegetation Survey.

ENGIE Bayview WEF, Port Elizabeth – Lead author (Scoping and EIA), Ecological Specialist and Project manager.

NMU West End Student Residence Development & Associated Infrastructure, Summerstrand, Port Elizabeth – Project manager and Ecological and Wetland specialist.

GMSA VDC Section 24 (G) Application and Rectification Report – Lead Author and Project Manager. Transnet Boshhoek Railway Loop, North West Province – Wetland Assessment review.

CAPECO Fairview Housing Development Phase 2 Environmental Auditing, Port Elizabeth.

Fort Cox College WWTW upgrade – Aquatic / Wetland Assessment.

NMMU Private Nature Reserve Management plan.

PPC Hougham Park Mining EIA – Scoping and EIA and Section 102 amendment to DMR.

PPC Botanical Survey, alien vegetation and Rehabilitation management plan

Raymond Mhlaba Housing ECO.

Silikhaya Properties proposed subdivision and mixed use development on Erf 1 Parsons Vlei, Nelson Mandela Bay Municipality, Eastern Cape – Scoping, EIA and Ecological Assessment,

SMEC MBDA Telkom Park Precinct Plan – Environmental status and land use planning report.

St Christopher's private school, Walmer, Port Elizabeth – Environmental opinion and ground truthing.

The re-construction and upgrading of the Slang river low-level crossing near Oyster Bay, Kouga Local Municipality Eastern Cape – Basic Assessment, Ecological and Aquatic Assessment and Water Use Licence Application (Section 21 c and i).

Transnet Freight Rail New Brighton Swartkops Security Wall – Basic Assessment.

TNPA Vulindlela Site Remediation – Environmental Control Officer.

Wicklow Trust Citrus Packaging Warehouse, Sundays River Municipality, Eastern Cape – Basic Assessment and Alien Vegetation Management Plan.

Zirco Roode Heuwel, Kamiesberg Project, Northern Cape – Scoping and Environmental Impact Assessment.

Proposed improvement of National Route 2 Section 5 between Lizmore (km 29.00) and Heidelberg (km 54.00) and associated borrow pits, Western Cape Province: Mining Right Application Process (Scoping and EIA) and Ecological Impact Assessment.

The Kap River Bridge, Ndlambe Municipality, Easter Cape- Basic Assessment, Ecological and Wetland Assessment.

Imizi Social Housing Development, Wells Estate, port Elizabeth – Ecological Assessment.

Pofadder Prospecting Right and Basic Assessment process, Northern Cape – PPP, BAR, EMPr and Quantum Calculations.

Fig Tree Residential Development, Jeffreys Bay, Eastern Cape – S 24 (G) Rectification Basic Assessment.

St Christopher's Walmer Private School, Port Elizabeth – Project manager and Lead Author (Basic Assessment and Plant permits).

Namaqualand Prospecting Right and Basic Assessment process, Northern Cape – PPP, BAR, EMPr and Quantum Calculations.

Thriftwood Residential Section 24 (G) Application and Rectification Report – Lead Author and Project Manager.

CEN IEM unit

January 2011 – January 2014

Position –Environmental Consultant

Legal compliance review document for the Aggeneis-Oranjemond 400kV power line and substations upgrade, Northern Cape: Scoping Report.

Review document for the Aggeneis-Oranjemond 400kV power line and substations upgrade, Northern Cape: EIA Report.

Aston Bay Swanlake EMP.

Construction of a social housing project and associated infrastructure on Erf 3937, Fairview, Port Elizabeth: Environmental auditing process.

Kragga Kamma Road refuse transfer station: 24G application, Public participation and rectification assessment report.

Pearston solar farm – assisted in the Environmental Impact Assessment Report.

Pearston solar farm (Phase 2 & 3) – assisted in the Environmental impact assessment report.

Hemsley Family Trust: Subdivision and rezone of portion 176 (A and B) of the farm Goedgeloof nr 745, in St Francis Bay, Kouga district: Basic assessment.

Dondolo Family Trust: The construction of a Shopping centre on Erf 24296, KwaNobuhle: Basic assessment.

Dondolo Family Trust: The development of formalized parking on Erf 1, KwaNobuhle: Basic assessment and water use permit application.

Environmental Audits for the construction of a residential development and associated infrastructure on Erf 7023 (Ptn of 14935), Walmer: Environmental control officer.

Construction and upgrading of the new Glen Hurd Road as well as the construction of the Baakens River Bridge, Port Elizabeth, Eastern Cape: Water use Permit Applications.

Jefferey's Bay Wind farm –Environmental control officer – auditing process.

Ntshekisa - Ferguson- Sheya Kulati integrated public transport system (IPTS), Port Elizabeth, Eastern Cape: Environmental management plan.

Proposed rezoning and subdivision of Portion 12 (a portion of Portion 4) of the farm Vetmaak Vlake No. 312, Uitenhage RD, in the Nelson Mandela Bay Municipality, Eastern Cape for a mixed use development: Scoping and EIA Report.

Proposed clearing of bush for the cultivation of Lucerne fields and the construction of a dam (approximately 30 000 m³) to irrigate the lands, in Addo, Sundays River Valley Municipality: Basic assessment.

Proposed construction and operation of a fuel filling station with rest and retail facilities, an agri-business retail/wholesale facility and a farm store with tourism and related facilities on Remainder of

Portion 8 of the Farm Nanaga Hoogte No. 229 in the Sundays River Valley Municipality: Basic assessment.

Proposed construction of a cemetery on a portion of Erf 1814 in Graaff-Reinet, Eastern Cape: Basic assessment.

Proposed Establishment of a Low Density Leisure Estate and the redesign of the existing Skuitbaai golf course on Portions 12, 13 and 70 of the Farm Eerste Rivier 626: Basic assessment.

Upgrade of the Donkin Reserve, Port Elizabeth: Environmental auditing process.

Vegetation mapping for various projects.

CONTINUED PROFESSIONAL DEVELOPMENT

Courses

2018 - Rhodes University short course on Tools for Wetland Assessments

2018 - Three (3) day training course training course on IWRM, the NWA, and Water Use Authorisations, focusing on WULAs and IWWMPs

2016 - Department of Water and Sanitation: Water Use Authorisations Worksop

2016 – IAIA SA

PERSONAL DETAILS

Nationality – South African

Date of Birth – 16 November 1987

Domicile – Port Elizabeth, Eastern Cape, South Africa

Languages

Language	reading	speaking	writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent
Xhosa	Poor	Poor	Poor

RIONA PATAK



Profession	<i>Environmental Scientist</i>
Position in Firm	<i>Environmental Scientist</i>
Area of Specialisation	<i>Environmental Impact Assessment, GIS</i>
Qualifications	<i>BSc Hons Environmental Science</i>
Years of Experience	<i>6 Years</i>
Years with Firm	<i>6 Years</i>

SUMMARY OF EXPERIENCE

Ms Patak graduated from the School of Agriculture, Earth and Environmental Science at the University of KwaZulu-Natal, Pietermaritzburg. Ms Patak has completed a BSc undergraduate degree in Life and Earth Sciences, and post-graduate BSc honours degree in Environmental Science.

Ms Patak is an Environmental Scientist and Geographic Information's Systems (GIS) Analyst. Her experience within the environmental sector includes Environmental Impact Assessments, Environmental Screening, developing Environmental Management Programmes and extensive Environmental Compliance Monitoring. Project assortment within the GIS field includes 3D modelling, spatial analyses, management of GIS systems (including standards, databases, processes and operating procedures), execution of technical GIS related project work, including but not limited to capturing, acquisition, checking, digitising, and collation, conversion, projecting and processing of project data, mapping, database compilation, reporting and analysing.

Ms Patak is a member of the International Association for Impact Assessment South Africa, KwaZulu-Natal, Provincial Branch (IAIAsa), and the Geo-Information Society of South Africa (GISSA) and subscribes to both organisations Code of Ethics. Ms Patak has served terms as Secretary and Treasurer on the IAIAsa KZN Branch Committee.

SOCIETY MEMBERSHIP

IAIAsa	Membership Number 3317
GISSA	Member Since 2014

EDUCATION

- 2006 - Matric** – Raisethorpe Secondary School, Pietermaritzburg
- 2010 - BSc** (Life and Earth Sciences) – University of KwaZulu-Natal
- 2011 – BSc Hons** (Environmental Science) – University of KwaZulu-Natal

SPECIFIC EXPERIENCE

Terratest (Pty) Ltd

February 2013 – December 2013

Position – GIS Analyst

Geographic Information Sciences

Name of Project: Micaune Port & Rail Project, Mozambique

Client: Bergstan Africa

Project duration/date: 2013

Job title and duties: GIS Analyst

Catchment delineation for the hydrology aspect of the project. GIS Support.

Name of Project: Jeffares & Green Spatial Data Centre, Pietermaritzburg, KwaZulu-Natal (South Africa)

Client: Jeffares & Green (Pty) Ltd

Project duration/date: March 2013- August 2013

Job title and duties: GIS Support

Assisting in the development of a GIS database within Jeffares & Green, Pietermaritzburg.

Name of Project: Ashdown Stream Bank Stabilization, Pietermaritzburg, KwaZulu-Natal (South Africa)

Client: Msunduzi Municipality

Project duration/date: 2014-2015

Job title and duties: GIS Analyst

GIS analysis and mapping for the EIA component of this project.

Name of Project: Nungwane Pipeline EIA, Durban, KwaZulu-Natal (South Africa)

Client: Royal HaskoningDHV

Project duration/date: 2014-2015

Job title and duties: GIS Analyst

GIS analysis and mapping for the EIA component of this project.

Name of Project: Upgrading of the P125, Underberg, KwaZulu-Natal (South Africa)

Client: Royal HaskoningDHV

Project duration/date: 2015-2016

Job title and duties: GIS Analyst

GIS analysis and mapping for the EIA component of this project

Name of Project: R22 Hluhluwe Bypass, KwaZulu-Natal (South Africa)

Client: South African National Roads Agency SOC Limited (SANRAL)

Project duration/date: 2016- current

Job title and duties: GIS Analyst

GIS mapping and support for the EIA component of this project.

Name of Project: Verulam Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **How Long Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **GX 11 Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- current

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **Tottenham Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **Epayipini to 34th Avenue Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **Emapheleni to Thulani Masango Road Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **Umqeku River Low Level Bridge Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

Name of Project: **Umgeni River Low Level Bridge Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)**

Client: eThekweni Municipality

Project duration/date: 2016- 2017

Job title and duties: GIS Analyst
GIS mapping and support for the EIA component of this project.

- Name of Project:** **Alfred Duma Landfill Site Identification**
Client: Alfred Duma Local Municipality
Project duration/date: 2018 - current
Job title and duties: GIS Analyst
Negative mapping assisting the project team with suitable area identification at a desktop level.
- Name of Project:** **Various ESKOM Projects, KwaZulu-Natal (South Africa)**
Client: ESKOM
Project duration/date: 2016-current
Job title and duties: GIS Analyst
Provide GIS Mapping and GIS Support on various ESKOM projects.

Terratest (Pty) Ltd

December 2013 -Present
Position – Environmental Scientist

AMENDMENT APPLICATIONS & POST AUTHORISATION REQUIREMENTS

- Name of Project:** **Mooi- Mpfana Bulk Water Supply Scheme, KwaZulu-Natal (South Africa)**
Client: Umgeni Water
Project duration/date: 2015
Job title and duties: Assistant Environmental Assessment Practitioner
Assisting the project team with the amendment to Environmental Authorisation and post decision requirements.
- Name of Project:** **KwaDakuza Bulk Water Offtake 13 A Bulk Water Supply Scheme, KwaZulu-Natal (South Africa)**
Client: Ilembe District Municipality
Project duration/date: 2018
Job title and duties: Environmental Assessment Practitioner
Amendment to Environmental Authorisation and post decision requirements.
- Name of Project:** **KwaDakuza Bulk Water Offtake 13 B Bulk Water Supply Scheme, KwaZulu-Natal (South Africa)**
Client: Ilembe District Municipality
Project duration/date: 2018
Job title and duties: Environmental Assessment Practitioner
Amendment to Environmental Authorisation and post decision requirements.

ENVIRONMENTAL SCREENING & SCOPING ASSESSMENTS

- Name of Project:** **NCF Church Environmental Screening Assessment, UMgungundlovu District Municipality, KwaZulu-Natal (South Africa)**
Client: NCF Church
Project duration/date: January 2014
Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment on Portion 33/8 Mt Verde Estate, UMgungundlovu District Municipality, KwaZulu-Natal (South Africa)

Client: Kim Declercq

Project duration/date: February 2014

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment on Portion 48 Mt Verde Estate, UMgungundlovu District Municipality, KwaZulu-Natal (South Africa)

Client: Mr & Mrs Le Roux

Project duration/date: September 2015

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment on Portion 49 Mt Verde Estate, UMgungundlovu District Municipality, KwaZulu-Natal (South Africa)

Client: Mr Craig Parry

Project duration/date: September 2015

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment on ERF 21, Hilton, uMngeni Local Municipality, KwaZulu-Natal (South Africa)

Client: Mr N Parau

Project duration/date: September 2018

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment on ERF 5/1988 and ERF 2/458, Msunduzi Local Municipality, KwaZulu-Natal (South Africa)

Client: Mr Moosa

Project duration/date: December 2018

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

Name of Project: Environmental Screening Assessment for the proposed upgrade of Pholela High School, Dr Nkosazana Dlamini-Zuma Local Municipality, KwaZulu-Natal (South Africa)

Client: Ms Loutan

Project duration/date: May 2018

Job Title and Duties: Environmental Assessment Practitioner
Environmental Screening Assessment, including site investigations & general environmental mapping of the site.

SECTION 24G / NON-COMPLIANCE ASSESSMENTS

Name of Project: Lartsa Chicks, Lions River, KwaZulu-Natal
Client: Lartsa Chicks (Pty) Ltd
Project duration/date: 2014
Job title and duties: Environmental Assessment Practitioner
Assisting the project team with the requirements of the pre-compliance notice, screening requirements and post decision requirements.

Name of Project: Devonia Farms, Ixopo, KwaZulu-Natal (South Africa)
Client: Devonia Farms
Project duration/date: 2015-2016
Job title and duties: Environmental Assessment Practitioner
Section 24G application and compliance assessments, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of an Impact Assessment Report including EMPr and mitigation requirements.

ENVIRONMENTAL CONTROL OFFICER DUTIES

Name of Project: Bulk Service Installation for the Gates at Hilton Residential Development Phase 2, Hilton, KwaZulu-Natal (South Africa)
Client: Gwens Stream Estate (Pty) Ltd for Hilton College School
Project duration/date: June 2015 – May 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA)

Name of Project: Construction of Hilton Life Hospital, Hilton, KwaZulu-Natal (South Africa)
Client: A3 Architects (Pty) Ltd for Life Hospitals
Project duration/date: September 2015 – May 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: Construction of Hilton Health Doctors Suites, Hilton, KwaZulu-Natal (South Africa)
Client: Never Ending Trust (Pty) Ltd
Project duration/date: September 2015 – May 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: Madrassa An Noor school for the Blind, Hilton, KwaZulu-Natal (South Africa)
Client: Madrassa An Noor school for the Blind
Project duration/date: June 2015 – September 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA)

Name of Project: Merrivale Poultry Expansion, Merrivale, KwaZulu-Natal (South Africa)
Client: Midlands Eggs
Project duration/date: March 2016 – August 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA)

Name of Project: National Route 5 Section2, Senekal Traffic Control Centre, Senekal, Free-State (South Africa)
Client: Nathoo Mbenyane Engineers (Pty) Ltd
Project duration/date: September 2015 – September 2016
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: Midlands Biogas and Fertilizer Plant, Pietermaritzburg, KwaZulu-Natal (South Africa)
Client: Midlands Biogas and Fertiliser cc
Project duration/date: April 2017 – July 2017
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA).

Name of Project: Eden gardens Hospital, Edendale, Pietermaritzburg (South Africa)
Client: Edenvision Medical Holdings (Pty) Ltd
Project duration/date: July 2016 – current
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: Gromor Bagging Plant, Camperdown, KwaZulu-Natal (South Africa)
Client: Gromor (Pty) Ltd
Project duration/date: December 2016 – current
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: P368 Road Upgrade, Muden, KwaZulu-Natal (South Africa)
Client: Royal HaskoningDHV for DoT
Project duration/date: June 2017 – Current
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA).

Name of Project: **Mount Edgecombe Interchange, Durban, KwaZulu-Natal (South Africa)**
Client: SMEC South Africa (Pty) Ltd
Project duration/date: September 2017 – to be confirmed
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Audit Reports for submission to the competent authority (EDTEA).

Name of Project: **Harewood Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: August 2017 – February 2017
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Caluza Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: October 2017 – September 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Ndlovu Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: November 2017 – October 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Gudlintaba Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: October 2017 – July 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Unit 18 Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: October 2017 – July 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Methodist Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**

Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: November 2017 – October 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Dinangwe Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: October 2017 – June 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Mission Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: October 2017 – June 2018
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

Name of Project: **Mabane Road Upgrade, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: May 2018 - current
Job Title and Duties: Environmental Control Officer
Developing a suitable Audit Report Form for the construction phase of the project and auditing compliance during construction works. Preparation of monthly Duty of Care Audit Reports

BASIC ASSESSMENT APPLICATIONS

Name of Project: **Ashdown Stream Bank Stabilization, Pietermaritzburg, KwaZulu-Natal (South Africa)**
Client: Msunduzi Municipality
Project duration/date: 2014-2015
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: **Nungwane Pipeline EIA, Durban, KwaZulu-Natal (South Africa)**
Client: Royal HaskoningDHV
Project duration/date: 2014-2015
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: National Route 2, Section 27, Durban, KwaZulu-Natal (South Africa)
Client: South African National Roads Agency SOC Ltd (SANRAL)
Project duration/date: 2014-2015
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Upgrading of the P125, Underberg, KwaZulu-Natal (South Africa)
Client: Royal HaskoningDHV
Project duration/date: 2015-2016
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Verulam Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)
Client: eThekweni Municipality
Project duration/date: 2016- current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: How Long Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)
Client: eThekweni Municipality
Project duration/date: 2016- current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: GX 11 Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)
Client: eThekweni Municipality
Project duration/date: 2016- current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Tottenham Pedestrian Bridge, Durban, KwaZulu-Natal (South Africa)
Client: eThekweni Municipality
Project duration/date: 2016- current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Upgrading of Mabane Road, KwaZulu-Natal (South Africa)
Client: Henwood & Nxumalo for Msunduzi Municipality
Project duration/date: 2017- current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Upgrading of Track 83887, KwaZulu-Natal (South Africa)
Client: eThekweni Metropolitan Municipality
Project duration/date: 2018 - current
Job title and duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Proposed Royal Albert Tourism Facility, Umshwathi Local Municipality, Kwazulu-Natal (South Africa)
Client: Primesite Holdings (Pty) Ltd
Project duration/date: January 2018 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

Name of Project: Proposed expansion of the Ecoguard Facility, Merrivale, Kwazulu-Natal (South Africa)
Client: Ecoguard BioSciences
Project duration/date: July 2018 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, preparation of locality maps and layout plans, and the preparation of a Basic Assessment Report and Environmental Management Plan.

CONTINUED PROFESSIONAL DEVELOPMENT

Courses, Conferences & Workshops

- 2015 - IAIAAsa Public Participation workshop.
- 2016 - Green Building Council South Africa (GBCSA) Existing Buildings Course
- 2017 - Resource Efficiency and Cleaner Production (Training Course)
- 2017 - IAIAAsa Environmental Monitoring and ECO workshop
- 2017 - DEA Integrated Environmental Management workshop
- 2018 - EDTEA/IAIAAsa Engagement Session
- 2018 - GIS Tools in Environmental Assessment
- 2018 - SANEDI (South African National Energy Development Institute) ESCo/12L Tax Incentive talk

PERSONAL DETAILS

Nationality – South African
Date of Birth – 1989 – 02- 24

Domicile – Pietermaritzburg, South Africa

Languages

English – Very Good

CHERIZE COETZEE (née MATTHEUS)



Profession	ENVIRONMENTAL SCIENTIST
Position in Firm	ENVIRONMENTAL SCIENTIST
Area of Specialisation	ENVIRONMENTAL IMPACT ASSESSMENTS, ENVIRONMENTAL MANAGEMENT PROGRAMMES, ENVIRONMENTAL MONITORING & COMPLIANCE, WATER USE AUTHORISATIONS, WASTE MANAGEMENT LICENCES
Qualifications	MSc (Zoology), BSc (Hons) (Zoology), BSc (Zoology and Microbiology)
Years of Experience	6.5
Years with Firm	6.5

SUMMARY OF EXPERIENCE

Ms Coetzee is an Environmental Scientist with Terratest (Pty) Ltd with six years' experience. Through her postgraduate studies she has conducted research in the rocky shore habitat and estuarine systems.

She has, over the years, gained experience with Basic Environmental Impact Assessments (BA), Environmental Management Programmes (EMPr), Environmental Compliance Monitoring, Licence Applications for Waste Management activities, Application for Water Use Authorisations, and Pre-Application Environmental Screening Assessments. She has been involved with a wide range of projects, amongst others, substation upgrades, augmentation of bulk water supply systems and bulk sewer infrastructure, bridge and causeway reconstructions, road upgrades, wind farm establishment, etc.

Cherize is particularly interested in water resource management and hopes to make a significant contribution to the environment.

EDUCATION

2004 - Matric – Framesby High School, Port Elizabeth

2008 - BSc (Zoology & Microbiology) - Nelson Mandela Metropolitan University

2009 - BSc Honours (Zoology) - Nelson Mandela Metropolitan University

2013 - MSc (Zoology) - Nelson Mandela Metropolitan University

EMPLOYMENT RECORD

Date (from – to)	Jul 2013 - present
Location	Port Elizabeth, Eastern Cape, South Africa
Employer	Terratest (Pty) Ltd

Position(s)	Environmental Scientist
Description	Make Application for Environmental Authorisations (Basic Assessment Reports), Compile Environmental Management Programmes, Undertake Environmental Monitoring & Compliance, Make Application for Water Use Authorisations
Date (from – to)	Apr - Jun 2013
Location	Port Elizabeth, Eastern Cape, South Africa
Employer	Department of Science & Technology and National Research Foundation (DST-NRF Internship)
Position(s)	Postgraduate Research Intern at Centre for African Conservation Ecology, Nelson Mandela Municipality University (NMMU)
Description	Assist with research-related tasks specializing in the fields of conservation biology and ecology. Collection of faecal samples of herbivore species within the Addo Elephant National Park and recording of GPS positions for each collection - Collaborative project through ACE at NMMU and Laboratoire d' Ecologie Alpine (LECA) Grenoble, France, entitled 'DNA meta-barcoding of the dietary contents of herbivore species in South Africa'.
Date (from – to)	2009 - 2011
Location	Port Elizabeth, Eastern Cape, South Africa
Employer	Nelson Mandela Municipality University
Position(s)	Chief Zoology Practical Co-ordinator
Description	Assist undergraduates with zoology practicals, marking and correcting their practical reports, co-ordinating fellow demonstrators, and collating marks.

SPECIFIC EXPERIENCE

Terratest (Pty) Ltd

2016 – Date

Position – Environmental Scientist

2013 – 2016

Position – Graduate Environmental Scientist

2020

Establishment of Material Sources associated with the Upgrading of Main Road R335 from Motherwell to Addo within the NMBM and Sundays River Valley Local Municipality – Basic Assessment for Environmental Authorisation. Client: GIBB (Pty) Ltd on behalf of SANRAL.

Establishment of a mixed-use development on Erf 1792, Parsons Vlei, Port Elizabeth, Nelson Mandela Bay Municipality - Environmental Control Officer. Client: Wild Developments (Pty) Ltd on behalf of Massmart and Walmart.

2019

Refurbishment and Upgrade of the Alicedale Water Treatment Works and Riebeeck East Bulk Water Supply (Phase 1) – Environmental Control Officer. Client: Makana Local Municipality

Upgrading and Refurbishment of the Waainek Bulk Water Supply, near Grahamstown – Environmental Control Officer. Client: Bosch Projects (Pty) Ltd on behalf of Makana Local Municipality.

Upgrading of R335 from Motherwell to Addo within the Nelson Mandela Bay Municipality and Sundays River Valley Local Municipality – Water Use Authorisation. Client: GIBB (Pty) Ltd on behalf of SANRAL.

Morgan's Bay and Igxara Sanitation Systems and Wastewater Treatment Works – Environmental Screening Assessment, Basic Assessment and Water Use Licensing. Client: iX Engineers on behalf of the Amathole District Municipality.

2018

Upgrade and Expansion of the Hofmeyr Sanitation System, Eluxolweni, Chris Hani District Municipality - Environmental Control Officer. Client: JG Afrika (Pty) Ltd on behalf of the Chris Hani District Municipality.

Routine Road Maintenance of Riet River Access Road (gravel road), near Port Alfred, Ikwezi Local Municipality – Environmental Screening Assessment and Basic Assessment. Client: Madan Singh Bester & Associates cc on behalf of the Eastern Cape Department of Roads and Public Works.

Implementation of Road Safety Measures and Rehabilitation of National Route R75 Section 1 between km 0.0 and km 13.0 – Port Elizabeth to Despatch, Nelson Mandela Bay Municipality (NMBM) - Environmental Control Officer. Client: SMEC South Africa (Pty) Ltd on behalf of SANRAL.

Construction and Upgrading of Glenhurd Drive, Port Elizabeth, NMBM - Environmental Control Officer. Client: Uhambiso Consult (Pty) Ltd on behalf of NMBM.

Mixed-Use Residential Development in Kwanobuhle Extension 11: Uitenhage, NMBM – Phase 4 – Environmental Control Officer. Client: Lukhozi Consulting Engineers (Pty) Ltd on behalf of NMBM.

2017

Demolition of Telkom Park (former Boet Erasmus) Stadium, Port Elizabeth, NMBM – Basic Assessment for Environmental Authorisation. Client: Bosch Projects (Pty) Ltd on behalf of the Mandela Bay Development Agency (MBDA).

Augmentation of the Driftsands Collector Sewer - Phase 1, Port Elizabeth, NMBM – Environmental Control Officer. Client: Bosch Projects (Pty) Ltd on behalf of NMBM.

Upgrading and Refurbishment of the Waainek Bulk Water Supply, near Grahamstown – Basic Assessment for Environmental Authorisation. Client: Bosch Projects (Pty) Ltd on behalf of Makana Local Municipality.

2016

Establishment of a Wastewater Recycling and Treatment Facility in Uitenhage, NMBM – Basic Assessment for a Waste Management Licence. Client: Xtreme Projects (Pty) Ltd.

Upgrading of the James Kleynhans Bulk Water Supply in Grahamstown, Phase 2 – Environmental Control Officer. Client: Bosch Projects (Pty) Ltd on behalf of Makana Local Municipality.

Reconstruction of the Sand River Bridge on MR00391, St Francis Bay (Kouga Local Municipality) – Environmental Control Officer. Client: BVi Consulting Engineers on behalf of Eastern Cape Department of Roads and Public Works.

Upgrading of Main Road MR450 (R335) from Motherwell to Addo within the NMBM and Sundays River Valley Local Municipality – Basic Assessment for Environmental Authorisation. Client: GIBB (Pty) Ltd on behalf of SANRAL.

Development Storage Area on the Remainder of Cuyler Manor Farm No 322 on the corner of Mel Brooks and Algoa Road in Uitenhage, NMBM – Environmental Screening Assessment. Client: Motorvia

2015

Augmentation of the Kwazakhele Bulk Sewer (Phase 3) – Basic Assessment Report for an Environmental Authorisation, and Water Use Licence Application. Client: AfriCoast Consulting Engineers (Pty) Ltd on behalf of the Nelson Mandela Bay Municipality.

Construction of Sludge Ponds at the Patensie Water Treatment Works – Basic Assessment for a Waste Management Licence. Client: Siroccon International (Pty) Ltd on behalf of the Kouga Local Municipality.

Upgrading of the Patensie Water Treatment Works and Construction of Infrastructure - Environmental Control Officer. Client: Siroccon International (Pty) Ltd on behalf of the Kouga Local Municipality.

2014

Re-gravelling of roads in Adelaide - Environmental Screening Report and Environmental Management Programme. Client: Alvodex Engineering.

Walmer Stormwater Detention Ponds and Associated Infrastructure in the NMBM – Environmental Management Programme. Client: JG Afrika (Engineering Division) on behalf of the NMBM.

Reconstruction of an Existing Causeway across the Sundays River at Kirkwood Prison – Application for a General Authorisation for Water Use Activities. Client: BVi Consulting Engineers on behalf of Eastern Cape Department of Public Works.

Rehabilitation of the John Tallant Road, Deal Party, Port Elizabeth – External environmental review of the Draft Basic Assessment Report. Client: GIBB Engineering & Architecture on behalf of the NMBM.

2013

Replacement of Chatty Valley Collector Sewer, Bethelsdorp, NMBM – Water Use Licence Applications. Client: Madan Singh Bester & Associates cc on behalf of the NMBM.

Reconstruction of the Sand River Bridge on MR00391, St Francis Bay (Kouga Local Municipality) – Basic Assessment Report. Client: BVi Consulting Engineers on behalf of Eastern Cape Department of Roads and Public Works.

Redhouse Chelsea Arterial Network – Water Use Licence Applications. Client: Aecom Engineers on behalf of the NMBM.

Bulembu 66kV Substation Upgrade, King Williams Town – Environmental Control Officer. Client: Eskom Holdings Limited.

Wells Estate Phase 3 Bulk Stormwater Infrastructure Installation (NMBM): Part 1 & 2 – Environmental Control Officer. Client: Hatch Goba (Pty) Ltd on behalf of the NMBM.

Upgrading of the James Kleynhans Bulk Water Supply in Grahamstown, Phase 1 – Environmental Control Officer. Client: Bosch Stemele (Pty) Ltd on behalf of Makana Local Municipality.

CONTINUED PROFESSIONAL DEVELOPMENT

Courses, Conferences & Workshops

- 2014 - Environmental Impact Assessment Workshop
- 2015 - 2014 EIA Legal Regime Workshop, 2014 EIA Regulations and associated templates training session, NEMA 2014 EIA Regulations: Information Session, IMBEWU – 2014 EIA Legal Regime Workshop
- 2016 - Waste Legislation course, IAIAAsa 2016 National Conference
- 2017 - South African Roads Federation & SANRAL: Environmental Impact Assessment Regulations

PERSONAL DETAILS

Nationality – South African

Date of Birth – 15 July 1986

Domicile – Port Elizabeth, Eastern Cape, South Africa

Languages

Language	reading	speaking	writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent
Xhosa	Poor	Poor	Poor

PROFESSIONAL REGISTRATION AND SOCIETY MEMBERSHIP:

IAIAAsa - Member of the International Association for Impact Assessors South Africa, membership no. 3551

IWMMSA - Member of the Institute of Waste Management South Africa, membership no. 40213120