

APPENDIX 1: EAP CV

MAGNUS VAN ROOYEN



Profession	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, BSc (Hons), MPhil. (Environmental Management)
Years of Experience	14
Years with Firm	12

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 mining sector where he has gained extensive exposure to all the aspects of mining projects from the pre-feasibility, prospecting, 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 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:	B.Sc Honnours – Botany (Stellenbosch University)
Date (from – to):	2002
Degree/Institution:	Post Graduate Diploma in Teaching (Stellenbosch University)
Date (from – to)	2003 – 2005
Degree/Institution:	Masters Degree in Environmental Management (Stellenbosch University)

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

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.

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 - Mporana 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 – Mporana 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.

CONTINUED PROFESSIONAL DEVELOPMENT

Courses, Conferences & Workshops

2013 (September)	- IAIAAs 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)	- IAIAAs & 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

IMKE SUMMERS



Profession	<i>Environmental Assessment Practitioner</i>
Position in Firm	<i>Senior Environmental Consultant</i>
Area of Specialisation	<i>Environmental Impact Assessments</i>
Qualifications	<i>BSoc Sc (Geog & Env Mgnt), BSc (Hons) (Env Sc), MSc (Env Sc)</i>
Years of Experience	<i>8 Years</i>
Years with Firm	<i>7 Years</i>

SUMMARY OF EXPERIENCE

Ms Summers is an Environmental Consultant at JG Afrika (Pty) Ltd with 8 years of experience within a wide variety of environmentally related spheres. These include Basic and Full Environmental Impact Assessments, the developing of Environmental Management Programmes, Compliance Auditing and the Public Participation Process. Project assortment includes infrastructure associated with housing developments, bridge construction and upgrades, linear developments including roads and water supply schemes, private sector development and municipal infrastructure development. Ms Summers has worked throughout KwaZulu-Natal, including work on structures upgrades in Northern KwaZulu-Natal, water supply schemes in the uThukela and Impendle regions, environmental auditing of various sites including the Chota Motola Interchange in Pietermaritzburg, and several water supply schemes, road upgrades and facility expansions throughout KwaZulu-Natal.

Ms Summers prescribes to the International Association for Impact Assessment South Africa (IAIAsa) code of conduct and has since 2016 been a committee member of the KwaZulu-Natal branch. In 2016 Ms Summers was elected on to the IAIAsa KZN Branch Committee as Treasurer. In her 2017 term, this portfolio was changed to Secretary.

Ms Summers has been employed by JG Afrika since March 2011 in the position of environmental consultant.

SOCIETY MEMBERSHIP

IAIA SA KZN - International Association of Impact Assessors South Africa, KwaZulu-Natal Branch
(Membership No. 2930 Scientist (Reg No. 400119/16))

EDUCATION

2004 : IEB Matric - Hermannsburg School

2007 : BSoc Sci (Geog and Env Sc) - University of KwaZulu-Natal, Pietermaritzburg

2008 : BSc (Hons) (Env Sc) - University of KwaZulu-Natal, Pietermaritzburg

2017 : MSc Environmental Sciences – University of KwaZulu-Natal

SPECIFIC EXPERIENCE

TERRATEST (PTY) LTD

2011 – Present

Position – Senior Environmental Consultant

ENVIRONMENTAL SCREENING ASSESSMENTS

Name of Project: Upgrade of the Vulamehlo Access Road, KwaZulu-Natal
Client: Impande Engineers (Pty) Ltd
Project duration/date: February 2012
Job Title and Duties: Environmental Assessment Practitioner
Desktop Screening Assessment and compilation of a site specific Environmental Management Programme for a linear development.

Name of Project: Mini Steel Foundry at Schroeders, KwaZulu-Natal
Client: AfroIndia Recyclers (Pty) Ltd
Project duration/date: June 2013
Job Titles and Duties: Environmental Assessment Practitioner
Desktop site assessment and compilation of site specific Environmental Management Programme for a mini-steel foundry.

Name of Project: Zamimpilo Clinic Waste Water Treatment Works, Babanango, KwaZulu-Natal
Client: TJ Architects (Pty) Ltd on behalf of the KZN Department of Health
Project duration/date: September 2013 – February 2015
Job Titles and Duties: Environmental Assessment Practitioner
Screening Assessment and preliminary Waste Impact Report in terms of Section 74 of the National Environmental Management Waste Act (29 of 2008).

Name of Project: Bhekuzulu / Epangweni and Ennersdale Bulk and Reticulation Water Supply Scheme, KwaZulu-Natal
Client: Sukuma Consulting Engineers (Pty) Ltd on behalf of uThukela District Municipality
Project Duration/date: June 2017 – August 2017
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of an environmental screening process and motivational letter to the Competent Authority.

Name of Project: Lake Sibhayi Phase 2: Drilling, Test Pumping and Installation of Monitoring Boreholes and Bathymetric Survey
Client: Terratest (Pty) Ltd
Project Duration/date: May 2018
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of an environmental screening assessment for the drilling, test pumping and installation of monitoring boreholes and bathymetric survey at Lake Sibhayi

AMENDMENT APPLICATIONS

Name of Project: Amendment Application for the Realignment of the Ndunge Access Road, KwaZulu-Natal
Client: SMEC (Pty) Ltd on behalf of Ugu District Municipality

Project duration/date: October 2009 – December 2009
Job Titles and Duties: Environmental Assessment Practitioner
Compilation and submission of a non-substantive amendment application, including public participation and departmental and client liaison.

RESOURCE EFFICIENCY AND CLEANER PRODUCTION

Name of Project: Resource Efficiency and Cleaner Productions Assessment for the DEFY Ezakheni Site, Ladysmith, KwaZulu-Natal
Client: CSIR on behalf of DEFY Ezakheni
Project Duration/date: February 2015 – December 2015
Job Title and Duties: Environmental Assessment Practitioner
Site audit, client liaison, research and report compilation to determine resource efficiency and cleaner production measures.

SECTION 24G NON-COMPLIANCE APPLICATIONS

Name of Project: P700 Nodal Business Development - S24G Compliance, Ulundi, KwaZulu-Natal
Client: Afri-Infra Consulting Engineers (Pty) Ltd on behalf of the Zululand District Municipality
Project Duration/date: November 2015 – May 2016
Job Title and Duties: Environmental Assessment Practitioner
Screening Assessment to determine S24G requirements (post-construction), as well as applicability of NEMA (Act 107 of 1998) requirements for future on site development.

MINING PERMIT APPLICATIONS & CLOSURES

Name of Project: Borrow pit closure reports for four borrow pits along the R30 Glen Lyon to Brandfort, Free-State
Client: Roadcrete (Pty) Ltd
Project duration/date: September 2013 – February 2015
Job Title and Duties: Environmental Assessment Practitioner
Site visit, compilation and submission of borrow pit closure reports.

Name of Project: Mining Permit Applications for the farms Bethel 683 HU, Driefontein 42 HU and Weltevreden 540 HU
Client: Huntrex 292 (Pty) Ltd.
Project duration/date: 2011
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of site work and documentation completion for the submission of a Mining Permit Application to the Competent Authority.

Name of Project: Alfred Nzo Borrow Pits, KwaZulu-Natal
Client: Controlab CC
Project duration/date: 2011
Job Title and Duties: Environmental Assessment Practitioner
Compilation of site specific Environmental Management Plans for various borrow pits in the Alfred Nzo District Municipality.

SCOPING & FULL EIA APPLICATIONS

Name of Project: Umlaas Gates Light Industrial Development, KwaZulu-Natal
Client: Altix Holdings

Project duration/date: March 2012 – December 2013
 Job Title and Duties: Environmental Assessment Practitioner
 Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, and the preparation of a Scoping Report and Plan of Study.

Name of Project: **R22 Hluhluwe Town Bypass, Hluhluwe, KwaZulu-Natal**
 Client: Hatch Goba on behalf of the South African National Roads Agency Limited (SANRAL)

Project duration/date: January 2016 – February 2018
 Job Title and Duties: Environmental Assessment Practitioner
 Undertaking of the EIA process, including site investigations, public participation, liaison with specialists, and the preparation of a Scoping Report, full Environmental Impact Report and Environmental Management Programme.

BASIC ASSESSMENT APPLICATIONS

Name of Project: **Enguga, Entshayabantu and Macksam (Phase 5) Community Water Supply Scheme, Impendle**
 Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District Municipality
 Project duration/date: June 2012 - April 21013
 Job Title and Duties: Environmental Assessment Practitioner
 Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists, and the preparation of a Basic Assessment Report and Environmental Management Programme

Name of Project: **Swampu Phase 4 Community Water Supply Scheme, Impendle, KwaZulu-Natal**
 Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District Municipality
 Project duration/date: January 2012 – August 2012
 Job Title and Duties: Environmental Assessment Practitioner
 Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists, and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Hlabisa Rural Road Upgrade, Hlabisa Local Municipality, KwaZulu-Natal**
 Client: **Mzansi Africa** Civils
 Project duration/date: September 2012 – January 2014
 Job Title and Duties: Environmental Assessment Practitioner
 Assisting in the undertaking of the EIA process, including site investigations, public participation, liaison with specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Bhekuzulu / Epangweni / Loskop Community Water Abstraction and Reticulation Supply Scheme**
 Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District Municipality
 Project duration/date: January 2011 – August 2012
 Job Title and Duties: Environmental Assessment Practitioner
 Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Pongola Water Treatment Works, Zululand District Municipality, KwaZulu-Natal

Client: Afri-Infra Group (Pty) Ltd on behalf of Zululand District Municipality.

Project duration/date: October 2010 - January 2013

Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with specialists and stakeholders, and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Drainage structures upgrades along the P735, Nongoma to Hlabisa, KwaZulu-Natal

Client: SSI (Pty) Ltd on behalf of KZN Department of Transport.

Project duration/date: July 2011 – February 2014

Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Drainage structures upgrades along the P451/470/475, Hlabisa to Hluhluwe, KwaZulu-Natal

Client: SSI (Pty) Ltd on behalf of KZN Department of Transport.

Project duration/date: April 2011 – October 2013

Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Hlabisa Roads Upgrade; Qubukani to Ntabenkoni, KwaZulu-Natal

Client: Umkhanyakude District Municipality

Project duration/date: February 2013 – August 2014

Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Upgrade and Expansion of the Umhlanga Lifeguard Facility, eThekweni, KwaZulu-Natal

Client: eThekweni Metropolitan Municipality

Project duration/date: November 2013 – July 2017

Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with governmental departments, stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: Slabber Fuel Station Development, Pongola, KwaZulu-Natal

Client: Martin Slabber

Project duration/date: March 2014 – February 2016

Job Title and Duties: Environmental Assessment Practitioner

Name of Project: Undertaking of the EIA process, including site investigations, public participation, liaison with specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.
Van Zyl Pongola Housing Development, KwaZulu-Natal
Client: Can van Zyl
Project duration/date: November 2013 – March 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 Programme.

Name of Project: **AfroIndia Mini Steel Foundry, eThekwini, Kwazulu-Natal**
Client: AfroIndia Recyclers (Pty) Ltd
Project duration/date: January 2014 – August 2016
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **KwaCele and Surrounds Bulk Sewer Infrastructure Development, eThekwini Municipality, Kwazulu-Natal**
Client: Iliso Consulting Engineers on behalf of the eThekwini Metropolitan Municipality
Project duration/date: September 2013 – December 2014
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Georgedale and Surrounds Bulk Sewer Infrastructure Development, eThekwini Municipality, Kwazulu-Natal**
Client: Iliso Consulting Engineers on behalf of the eThekwini Metropolitan Municipality
Project duration/date: November 2013 - January 2015
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Van Zyl Pongola Housing Development, Pongola, KwaZulu-Natal**
Client: Can van Zyl
Project duration/date: November 2013 – March 2016
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Enguga, Entshayabantu and Macksam (Phase 5) Community Water Supply Scheme, Impendle, KwaZulu-Natal**
Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District Municipality
Project duration/date: June 2012 – March 2013
Job Title and Duties: Environmental Assessment Practitioner

Name of Project: Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.
Ideal Shavings Poultry Facility, Dargle, KwaZulu-Natal
Client: Ideal Shavings
Project duration/date: September 2015 – March 2016
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Ndiza Poultry Facility Expansion, Kildaragh Farm, Dargle, KwaZulu-Natal**
Client: Ndiza Poultry Breeders
Project duration/date: September 2015 – March 2016
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **R22 Road-Over-Rail Bridge and Approach Alignment, Hluhluwe, KwaZulu-Natal**
Client: Hatch Goba on behalf of the South African National Roads Agency Limited (SANRAL)
Project duration/date: March 2014 – April 2015
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **P700 Nodal Business Development, Ulundi, KwaZulu-Natal**
Client: Afri-Infra Consulting Engineers (Pty) Ltd on behalf of the Zululand District Municipality
Project duration/date: July 2016 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Epayipini to 34th Avenue Pedestrian Bridge, eThekweni, KwaZulu-Natal**
Client: eThekweni Metropolitan Municipality
Project duration/date: April 2016 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Emapheleni to Thulani Masango Pedestrian Bridge, eThekweni, KwaZulu-Natal**
Client: eThekweni Metropolitan Municipality
Project duration/date: April 2016 - Present
Job Title and Duties: Environmental Assessment Practitioner

Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Umqeku Low Level Bridge, eThekwini, KwaZulu-Natal**
Client: eThekwini Metropolitan Municipality
Project duration/date: April 2016 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Umdloti Stormwater System Expansion, eThekwini, KwaZulu-Natal**
Client: eThekwini Metropolitan Municipality
Project duration/date: December 2016 - Present
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Bhekuzulu / Epangweni and Ennersdale Bulk and Reticulation Water Supply Scheme, KwaZulu-Natal**
Client: Sukuma Consulting Engineers (Pty) Ltd on behalf of uThukela District Municipality
Project duration/date: June 2017 – April 2018
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Umdloti Stormwater Expansion, KwaZulu-Natal**
Client: eThekwini Municipality
Project duration/date: August 2017 – March 2018
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Ntuzuma C Sewerage Reticulation**
Client: eThekwini Municipality
Project duration/date: November 2017 – Ongoing
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **KwaHlokohloko Bulk Water Supply Scheme, KwaZulu-Natal**
Client: Eyethu Engineers (Pty) Ltd on behalf of King Cetshwayo District Municipality
Project duration/date: March 2018 – Ongoing
Job Title and Duties: Environmental Assessment Practitioner
Undertaking of the EIA process, including site investigations, public participation, liaison with stakeholders and specialists and the preparation of a Basic Assessment Report and Environmental Management Programme.

Name of Project: **Midlands Biogas Digester and Liquid Fertiliser Plant, KwaZulu-Natal**
Client: Midlands Biogas and Fertiliser November 2015 – May 2016

Project Duration/date: Public Participation Specialist
Job Title and Duties: Conducting the Basic Environmental Impact Assessment Public Participation process in compliance with Chapter 6 of GNR 326 (NEMA Act 107 of 1998).

ENVIRONMENTAL CONTROL OFFICER DUTIES

Name of Project: **Dredging of Camps Drift, Pietermaritzburg, KwaZulu-Natal**
Client: Natal Canoe Club (NCC)
Project duration/date: 2011
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: **Construction of the Enguga, Entshayabantu and Macksam (Phase 5) Community Water Supply Scheme, Impendle, KwaZulu-Natal**
Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District Municipality
Project duration/date: August 2013 – January 2016
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: **Construction of the Bhekuzulu / Epangweni / Loskop Community Water Abstraction and Reticulation Supply Scheme, KwaZulu-Natal**
Client: Sukuma Consulting Engineers on behalf of uThukela District Municipality
Project duration/date: February 2013 – January 2016
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: **Upgrade and construction of the Ndunge Access Road, KwaZulu-Natal**
Client: SMEC (Pty) Ltd on behalf of Ugu District Municipality
Project duration/date: March 2009 – 2012 - 2013
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: **Construction and expansion of the Chota Motala Interchange, Greytown Road, Pietermaritzburg, KwaZulu-Natal**
Client: South African National Roads Agency Limited (SANRAL)
Project duration/date: July 2011 – May 2014
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: **Construction of the Pongola Water Treatment Works, KwaZulu-Natal**
Client: Afri-Infra Group (Pty) Ltd on behalf of Zululand District Municipality
Project duration/date: April 2013 – October 2014
Job Title and Duties: Environmental Control Officer

Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: Upgrade of the Cedara College Roads, Hilton, KwaZulu-Natal
Client: Cedara Agricultural College
Project duration/date: April 2012 – January 2013
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: Construction of the KwaNovuka Community Water Supply Scheme, Impendle, KwaZulu-Natal
Client: Aurecon Group on behalf of Impendle Local Municipality
Project duration/date: February 2013 – October 2017
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for weekly compliance monitoring and monthly reporting in compliance with an Environmental Management Programme.

Name of Project: Construction of the Enguga, Entshayabantu and Macksam (Phase 5) Community Water Supply Scheme, Impendle, KwaZulu-Natal
Client: Sukuma Consulting Engineers on behalf of Umgungundlovu District
Project duration/date: August 2013 – January 2016
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme.

Name of Project: Bhekuzulu / Epangweni and Ennersdale Bulk and Reticulation Water Supply Scheme, KwaZulu-Natal
Client: Sukuma Consulting Engineers (Pty) Ltd on behalf of uThukela District Municipality
Project Duration/date: October 2017 – Present
Job Title and Duties: Environmental Control Officer
Environmental Compliance Officer for monthly compliance monitoring and reporting in compliance with an Environmental Management Programme

WATER USE LICENCE APPLICATIONS

Name of Project: P700 Nodal Business Development - S24G Compliance, Ulundi, KwaZulu-Natal
Client: Afri-Infra Consulting Engineers (Pty) Ltd on behalf of the Zululand District Municipality
Project duration/date: November 2015 - Present
Job Title and Duties: Environmental Assessment Practitioner
Water Use Licence Application for Section 21(c), (f), (g) and (i) water uses in compliance with the National Water Act (Act 36 of 1998) for the establishment of an on-site Waste Water Package Treatment Plant.

Name of Project: R22 Hluhluwe Town Bypass, Hluhluwe, KwaZulu-Natal
Client: Hatch Goba on behalf of the South African National Roads Agency Limited (SANRAL)
Project duration/date: September 2015 - Present

- Job Title and Duties:** Environmental Assessment Practitioner
Water Use Licence Application for Section 21(c) and (i) water uses in compliance with the National Water Act (Act 36 of 1998) for the establishment of a culvert crossing and agricultural underpass.
- Name of Project:** **Bhekuzulu / Epangweni and Ennersdale Water Reticulation Supply Scheme, Water Use Licence Application, KwaZulu-Natal**
- Client:** Sukuma Consulting Engineers (Pty) Ltd on behalf of uThukela District Municipality
- Project duration/date:** June 2017 - Present
- Job Title and Duties:** Environmental Assessment Practitioner
Water Use Licence Application for Section 21(c) and (i) water uses in compliance with the National Water Act (Act 36 of 1998), for the establishment of ~40 watercourse crossings.
- Name of Project:** **KwaHlokoHloko Bulk Supply Scheme, Water Use Licence Application, KwaZulu-Natal**
- Client:** Eyethu Engineers (Pty) Ltd on behalf of King Cetshwayo District Municipality
- Project duration/date:** March 2018 - Present
- Job Title and Duties:** Environmental Assessment Practitioner
Water Use Licence Application for Section 21(c) and (i) water uses in compliance with the National Water Act (Act 36 of 1998), for the establishment of ~a watercourse crossing.

CONTINUED PROFESSIONAL DEVELOPMENT

COURSES, CONFERENCES & WORKSHOPS

- 2014** - Sharpening the Tool: New Techniques and Methods in Environmental Impact Assessment
2015 - Public Participation in Environmental Authorisation: Theory and Practice (IAP2)
2015 - Internal auditing against ISO:9001 Principles (Future Systems)
2017 - Filtration & Drainage with Geosynthetics (Kaytech Engineering Fabrics)
2018 - Certificate of Competence in Tools for Wetland Assessments (Rhodes University)
2018 - Environmental Risk Assessment, Monitoring and Management of Cemeteries (GAKZN GWD KZN)
2010 to Present - IAIA KZN Branch events

PERSONAL DETAILS

Nationality – South African & German
Date of Birth – 1987-06-01
Domicile – Pietermaritzburg, KwaZulu-Natal, South Africa

Languages

English – Excellent
Afrikaans – Fair
German - Fair

CHERIZE COETZEE (née MATTHEUS)



Profession	ENVIRONMENTAL SCIENCE
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
Years with Firm	6

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

Apr 2016 – Date

Position – Environmental Scientist

2019

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.

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.

Jul 2013 – Apr 2016

Position – Graduate Environmental Scientist

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 - Assisted with 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) – Assisted with Basic Assessment Report and Water Use Licence Application. Client: BVi Consulting Engineers on behalf of Eastern Cape Department of Roads and Public Works.

Redhouse Chelsea Arterial Network – Assisted with Water Use License 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

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:

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

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