



Konrad Krüger

Education	BSc Honours (Geography) University of Pretoria 2003 (cum laude) BSc Environmental Sciences, University of Pretoria 2002	
Courses Attended	March 2007 NEMA EIA Regulations and their application – Centre for Environmental Studies May 2008 National Environmental Management Waste Act Seminar – Cameron Cross April 2010 Tree Identification – Africa Land-Use Training June 2010 Soil Classification and Mapping – Africa Land-Use Training	
Affiliations	International Association of Impact Assessors (South Africa) South African Botanical Society	
Experience	Zitholele Consulting (Pty) Ltd	Midrand, South Africa
June 2009 to date	<i>Environmental Scientist</i> Responsible for marketing, client management, project management and resource coordination for Environmental Impact Assessments, Scientific Services and Environmental Management Plans as well as other related environmental services. In addition, participation in building capacity and expertise within Zitholele Consulting, ultimately maintaining a quality service in the Public Sector.	
March 2009 to May 2009	Phoenix Enviro-Social Consulting Services	Roodepoort, South Africa
	<i>Environmental Consultant</i> Responsible for marketing, client management, project management and resource coordination for Environmental Impact Assessments, Environmental Management Plans, Social Impact Assessments, Public Participation and Facilitation, Environmental Compliance Auditing, Environmental Risk Assessments, Rehabilitation Plans, Rehabilitation Monitoring and Auditing and strategic planning. Furthermore the consultant was also tasked with managing the Scientific Services Unit at Cymbian. This unit was responsible for undertaking Ecological, Soil, Land Capability, Land Use, Visual, GIS, Geology, Topography and Agricultural Assessments.	
February 2005 to March 2009	Cymbian Enviro-Social Consulting Services	Randburg, South Africa
	<i>Environmental Consultant</i> Responsible for marketing, client management, project management and resource coordination for Environmental Impact Assessments, Environmental Management Plans, Social Impact Assessments, Public Participation and Facilitation, Environmental Compliance Auditing, Environmental Risk Assessments, Rehabilitation Plans, Rehabilitation Monitoring and Auditing and strategic planning. Furthermore the consultant was also tasked with managing the Scientific Services Unit at Cymbian. This unit was responsible for undertaking Ecological, Soil, Land Capability, Land Use, Visual, GIS, Geology, Topography and Agricultural Assessments.	
June – August 2004	Strategic Environmental Focus	Pretoria, South Africa
	<i>Jnr Environmental Consultant</i> Duties included compilation of Scoping Reports, Environmental Management Plans (EMP), Environmental Management Programme Reports (EMPR) and the undertaking of site assessments.	

Konrad Krüger

June 2000
and June
2002

BHP Billiton (then Billiton)

Junior Researcher

Assisting with the compilation of the annual Health Safety and Environmental Report for the company, conducted research with regards to the implementation of Agenda 21 for the World Summit.

Johannesburg South Africa

Key Skills

Environmental Management and Authorisations:

- EIA and Basic Assessments;
- EMP's and EMPR's;
- SEA's;
- Risk Assessments or Screening Assessments;
- IWMP's;
- IWULA's;
- Waste License Applications;
- APPA and AQA permit/license applications;
- Environmental Auditing (ISO/EMP/RoD); and
- Closure Planning;

Specialist Assessments:

- Soils and Agricultural Potential;
- Wetland Delineation;
- Flora Assessments;
- Terrestrial Ecological Assessment;
- Visual Impact Assessment; and
- GIS (ArcGIS 9)

PROJECT RELATED EXPERIENCE

North West Department of Roads and Traffic

Mafikeng, South Africa

Compilation of an EMPR for two borrow pits to be utilised for road upgrades.

Xstrata Coal South Africa - Kriel

Kriel, South Africa

Environmental auditing of the Dragline relocation project.

Xstrata Coal South Africa - Rietspruit

Kriel, South Africa

Dragline Relocation Scoping Report and associated Soil, Wetland, Vegetation Assessments and GIS mapping.

De Beers Consolidated Mines – Cullinan

Cullinan, South Africa

Compilation of the EMPR update as well as the undertaking of Soil, Vegetation Assessments and GIS mapping for the project.

De Beers Consolidated Mines – Venetia

Cullinan, South Africa

Internal ISO14001 audit for the Venetia Diamond Mine.

South Witbank Colliery

Emalahleni, South Africa

Compilation of the Closure Plan and associated Risk Assessment.

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Samancor Manganese, Metalloys - MRSP

Meyerton, South Africa

Environmental Impact Assessment for the proposed Metal Recovery and Slag Processing Plant at Metalloys. Also undertook the stakeholder engagement, GIS, vegetation and soil specialist assessments for the project.

Samancor Manganese, Metalloys – M6

Meyerton, South Africa

Environmental Impact Assessment for the construction and operation of the M6 Furnace at Metalloys.

Samancor Manganese, Metalloys – M17

Meyerton, South Africa

Basic Environmental Assessment and Air Pollution Prevention Act (APPA) permit application for the proposed M17 Furnace Test Campaign, Metalloys Meyerton.

Samancor Manganese, Metalloys - Salvage

Meyerton, South Africa

Basic Assessment and subsequent environmental training and auditing for the proposed upgrade of the Salvage Yard and the construction of an oil store at Metalloys.

Samancor Manganese, Metalloys - Emission

Meyerton, South Africa

Compilation and research of an emission reduction strategy for the entire Samancor Manganese Metalloys, Meyerton Works.

Samancor Manganese, Metalloys – ECA 20

Meyerton, South Africa

ECA 20 risk assessments for the existing waste handling facilities at Metalloys.

Samancor Manganese, Metalloys - WUL

Meyerton, South Africa

Water Use License Application for the entire Samancor Manganese Metalloys, Meyerton Works.

Samancor Manganese, Metalloys - Audit

Meyerton, South Africa

Environmental auditing for the Fouriespruit Stream Diversion, the Amcor Dam and the old Slag Dumps at Metalloys.

Samancor Manganese – Sinter

Hotazel, South Africa

EIA and Biophysical assessment (Soil, Land Capability, Land use, Fauna, Flora) for the proposed Sinter Plant at the Mamatwan Mine.

Samancor Manganese, Metalloys - APPA

Meyerton, South Africa

Research and compilation of the APPA certificate updates for the Metalloys plant.

Samancor Manganese, Metalloys – Elgen2

Meyerton, South Africa

Vegetation and soil investigation for the proposed Electricity Generation Plant at Metalloys.

Samancor Manganese, Metalloys – Pelletising Plant

Meyerton, South Africa

Annual Environmental Performance Audit for the pelletising plant.

Anglogold Ashanti, Mponeng

Mponeng Mine, South Africa

Clean and Dirty Water separation study.

Exxaro Resources/Samancor Manganese JV

Meyerton, South Africa

EIA for the proposed AlloyStream Manganese Plant.

Lyon and Partners

Meyerton, South Africa

Basic Environmental Assessment for the proposed Slagment substation and connecting 33kV power lines.

Barrick Mining, North Mara

Mara Region, Tanzania

EMP update for the North Mara Gold Mine.

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Kruger National Park - SEA

Limpopo & Mpumalanga, South Africa

Strategic Environmental Assessment and GIS modelling for the proposed Tented Safari Camps in the Kruger National Park.

Kruger National Park – Office Park

Phalaborwa, South Africa

Environmental auditing for the construction phase of the proposed Phalaborwa Office Park and Gate Upgrade Project in the Kruger National Park.

Kruger National Park – Olifants

Limpopo & Mpumalanga, South Africa

Vegetation and Visual Assessment for the proposed day visitor's facility at the Olifants Camp, Kruger National Park.

Eskom – Bravo Integration Project

Gauteng and Mpumalanga, South Africa

Conducted the Biophysical Specialist Studies (Ecology, soil, land capability, visual and wetland assessment and associated GIS) for the integration of the Bravo (Kusile) power station into the Eskom grid. Five EIAs for the proposed construction of overhead power lines and associated infrastructure for the Bravo Integration Project.

Eskom – Camden-Mbewu 765kV Project

Mpumalanga and KwaZulu Natal, South Africa

Project Manage all aspects of the EIA and also conducted the Biophysical Specialist Studies (Ecology, soil, land capability, visual and wetland assessment and associated GIS) for the 765 kV overhead power lines and associated infrastructure from Camden (Ermelo) Power Station to Mbewu (Empangeni).

Eskom – Kusile Railway Line

Gauteng and Mpumalanga, South Africa

Conducted the Biophysical Specialist Studies (Ecology, soil, land capability, visual and wetland assessment and associated GIS) for the proposed railway line to the Kusile power station.

Eskom – Tutuka Domestic Waste Site

Mpumalanga, South Africa

Integrated EIA and waste licensing for the proposed Tutuka Power Station general waste disposal site, Standerton.

Eskom – Ingula bridge

KwaZulu Natal, South Africa

Wetland delineation for the proposed Braamhoekspruit Bridge upgrade WUL.

Eskom – Ingula burial ground

KwaZulu Natal, South Africa

Basic Assessment and specialist studies (Wetland Delineation, Agricultural Potential, Terrestrial Ecology and Visual Assessment) for the proposed Ingula burial grounds near Van Reenen.

Eskom – Bapsfontein

Gauteng, South Africa

Biophysical risk assessment (Fauna, Flora, Soils, Wetlands) for the proposed substation alternatives and connecting power lines.

Eskom – Tabor

Limpopo, South Africa

Biophysical risk assessment (Fauna, Flora, Soils, Wetlands and Visual) for the proposed substation and connecting power lines.

Johannesburg City Power

Gauteng, South Africa

Route selection report and associated specialist studies (Soils, Land Use, Fauna, Flora, Wetlands and GIS) for 2 power line route alternatives in Wilgeheuwel.

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Johannesburg Road Agency

Gauteng, South Africa

Wetland delineation, terrestrial ecology and GIS assessment for the proposed storm water system upgrade in Soweto.

Billy Cahill

Gauteng, South Africa

EIA and Exemption Application for a Residential Development in Raslouw, Centurion.

Crown Silver Properties

Gauteng, South Africa

EIA and Exemption Application for a Residential Development in Raslouw, Centurion.

Johannesburg City Property Company

Gauteng, South Africa

Basic Environmental Assessment Application for a Residential Development in Bryanston.

Ramasega Agricultural Development Project

Gauteng, South Africa

Agricultural feasibility study for the Ramasega development project.

Teak Place Estate Development

Cradle of Humankind, South Africa

Scoping Report, environmental auditing, WUL, specialist studies and GIS for the proposed Teak Place Estate Development in the Cradle of Humankind.

Pala Meetse Eco Estate

Limpopo Province, South Africa

Soil and Wetland delineation for the Pala Meetse Eco Estate, Modimolle.

Noordheuwel Ext 17 and 19

Gauteng, South Africa

Soil and Land Capability assessment for a residential development in Noordheuwel, Krugersdorp.

SANRAL

Mpumalanga, South Africa

Wetland delineation for the N17 borrow pit application, SANRAL.

Bernard Glazer Trust

Gauteng, South Africa

Vegetation, Tree Identification, Soil and Fauna survey for Holding 68 and 67 Morningside.

Vibro Bricks

Gauteng, South Africa

Vegetation Assessment for the proposed development on Portion 105, 106 and 331 of the Farm Knoppjeslaagte.

Harmony Gold – Welkom

Free State, South Africa

Soil mapping for the proposed Harmony Mega Tailings Facility, Welkom.

Transnet, RBCT

KwaZulu Natal, South Africa

Vegetation and soil assessment for the proposed 3rd bypass line, Richards Bay Coal Terminal.

Viva Construction – Portion 215

Gauteng, South Africa

Soil assessment for the proposed industrial development of the Farm Nooitgedacht Portion 215.

Viva Construction – Portion 8 and 36

Gauteng, South Africa

Wetland delineation for the proposed development on Farm Nooitgedacht Portions 8 and 32

Viva Construction – Mostyn Park

Gauteng, South Africa

Biophysical site assessment for the proposed development of Portions 16, 17 and 18 of the Mostyn Park Smallholdings.



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Orlando Stadium

Screening sensitivity analysis for the Orlando Soccer Stadium upgrade

Gauteng, South Africa

Wesplan Town and Regional Planners

Vegetation, wetland, soil and fauna assessment for the proposed lodge development in the Vredefort Dome

North West, South Africa

Randfontein Golf Estate

Wetland delineation for the proposed Randfontein Golf Estate.

Gauteng, South Africa

Zuikerbosch Pumping Station Audit

RoD auditing of the Zuikerbosch Pumping Station embankment stabilisation.

Gauteng, South Africa