

Curriculum vitae: Ms K VERSFELD

Name : **VERSFELD, KAREN**
Date of Birth : 26 March 1980
Profession/Specialisation : Environmental Manager
Nationality : South African
Years experience : 10

Biography

Karen Versfeld is the Environmental Manager for Mulilo Renewable Project Developments. Karen has a MSc in Water Resource Management and has been active in the field of environmental and water resource management for over ten years. She has obtained experience as a specialist environmental consultant in undertaking environmental processes for both small and medium to large scale development projects in South Africa and Namibia. This includes a wide range of projects from renewable energy projects to pipelines and industrial developments. Karen has also obtained experience in writing and implementing Environmental Management Plans (EMPs) for the construction and operational phases of developments.

Employment record

01/2014 - Date	Mulilo Renewable Project Developments, Environmental Manager
03/2009 – 12/2013	Aurecon, Senior Environmental Scientist
11/2008 - 02/2009	Ninham Shand, Water Resource Scientist
02/2008 - 11/2008	Arcus GIBB (Pty) Ltd, Environmental Scientist
11/2005 - 01/2008	ILISO Consulting (Pty) Ltd, Environmental Scientist
03/2005 - 10/2005	Hartbeespoort Water Action Group (HWAG), Project Coordinator
09/2004 - 02/2005	CPH2O, Geographic Information System (GIS) Consultant

Management experience

01/2014 – Date	Manager
07/2011 – 12/2013	Project Leader

Experience record

Environmental Impact Assessment (EIA) for the proposed wind energy facility and associated infrastructure on Wolf Wind Farm near Wolwefontein (Eastern Cape Province, South Africa) 08/2013 - Date. *Project Leader.* This project entailed an Environmental Impact Assessment for a wind energy facility (140MW capacity) and associated infrastructure. Responsible for management and review of the EIA process and finances. Involved for 1 person-month. (juwi Renewable Energies (Pty) Ltd).

Due Diligence review of an Environmental Impact Assessment (EIA) for a proposed wind energy facility and associated infrastructure located 70km South-west of Nairobi (Kenya) 07/2013. *Project Leader.* This project entailed a review of the environmental impact assessment process, documentation, and specialists studies to provide comment on the assessments completed and the status of approvals. Responsible for review of the EIA documentation. Involved for 1 week. (Confidential).

Environmental Impact Assessment (EIA) for the proposed wind energy facility and associated infrastructure on Namies Wind Farm near Aggeneys (Northern Cape Province, South Africa) 05/2013 - Date. *Project Leader.* This project entailed an Environmental Impact Assessment for a wind energy facility (140MW capacity) and associated infrastructure. Responsible for management and review of the EIA process and finances. Involved for 1 person-month. (juwi Renewable Energies (Pty) Ltd).

Environmental Impact Assessment (EIA) processes for the proposed photovoltaic (solar) energy plan on Badenhorst Dam Farm, and Du Plessis Dam Farm near De Aar (Northern Cape Province, South Africa) 02/2013 - Date. *Project Leader.* This project entailed two Environmental Impact Assessment (EIA) processes for the proposed photovoltaic energy facilities at Badenhorst Dam Farm and Du Plessis Dam Farm. At Badenhorst Dam Farm, the solar energy project would comprise of four 75MW solar energy facilities. At Du Plessis Dam Farm, the solar energy project would comprise of three 75MW solar energy facilities. Responsible for management and review of the EIA process and finances. Involved for 1 person-

month. (Mulilo Renewable Energy (Pty) Ltd).

Environmental Impact Assessment (EIA) for the construction of the bulk water supply scheme at Kalkfeld (Kalkfeld, Namibia) 01/2013 – Date. Project Leader. This project entailed an Environmental Impact Assessment (EIA) process for the proposed construction of the bulk water supply scheme for the town of Kalkfeld. Responsible management and review of the EIA process and finances. (Namibia Water Corporation (NamWater)).

Basic Assessment (BA) for the proposed transmission lines from the South and North WEFs on the Eastern Plateau (De Aar 2), near De Aar, Northern Cape (Northern Cape, South Africa) 11/2012 – 08/2013. Project Leader. This project involved undertaking a Basic Assessment and EMP process for two 132kV overhead transmission lines connecting two WEFs, to be developed to the east of De Aar, to the national transmission grid. The proposed transmission lines would consist of a single servitude approximately 21km in length which would feed into Eskom's proposed Bushbuck substation. Responsible for management and review of the EIA process and finances. Involved for 2 person-months. (Mulilo Renewable Energy).

Basic Assessment (BA) for the proposed transmission lines from the Maanhaarberg and Damfontein Wind Energy Facilities (WEF) (De Aar 1), near De Aar, Northern Cape (Northern Cape, South Africa) 07/2012 – 08/2013. Undertaking a Basic Assessment process for two 132kV overhead transmission lines connecting a two-phased WEF, to be developed to the west of De Aar, to the national transmission grid. The proposed transmission lines would consist of a single servitude approximately 25.6km in length which would feed into Eskom's proposed Eskom/PV3 substation. Responsible for management and review of the EIA process and finances. (Mulilo Renewable Energy).

Social and Environmental Impact Assessment (SEIA) for the proposed mining of the Z20 uranium deposit (Erongo Region, Namibia) 10/2012 – 08/2013. Project Manager. This project entailed a Social and Environmental Impact Assessment for the proposed mining of the Z20 uranium deposit and the infrastructure corridor linking the proposed mine to the Rössing plant. Responsible for management and review of the EIA process and finances. Involved for 4 person-months. (Rössing Uranium Limited).

Environmental Impact Assessment (EIA) for the construction of the bulk water supply scheme at Aussenkehr (Aussenkehr, Namibia) 03/2012 – 08/2012. Project Leader. This project entailed an Environmental Impact Assessment (EIA) process for the proposed construction of the bulk water supply scheme for the town of Aussenkehr. Responsible for management and review of the EIA process and finances. Involved for 1 person-month. (Namibia Water Corporation (NamWater)).

Strandfontein School Integrated Waste Management Plan (IWMP) (Western Cape Province, South Africa) 01/2012 - Date. Project Leader. The project entailed the compilation of an Integrated Waste Management Plan (IWMP) for the rehabilitation of Erf 14927 and undertaking a Section 24G process to rectify the commencement of the unlawful activities. Responsible for financial management, contract negotiations with sub-consultants, coordinating the specialist team, review of specialist reports, and compilation of the reports. Involved for 0.5 person-months. (Western Cape Education Department (WCED)).

Environmental Impact Assessment (EIA) process for the proposed photovoltaic (solar) energy plan on Badenhorst Dam Farm, Paarde Valley Farm, and Annex du Plessis Dam Farm near De Aar (Northern Cape Province, South Africa) 11/2011 - 09/2012. Project Leader. This project entailed two Environmental Impact Assessment (EIA) processes and one basic assessment for the proposed construction of three photovoltaic energy facilities and associated infrastructure. Responsible for financial management, contract negotiations with sub-consultants, coordinating the multidisciplinary specialist team, review of specialist reports, and compilation of the EIA and BA Reports and EMP, and presenting at the stakeholder meetings. Involved for 2 person-months. (Mulilo Renewable Energy (Pty) Ltd).

Upgrades to the existing cement manufacturing plant and associated operations in Riebeeck West (Western Cape Province, South Africa) 07/2011 – 09/2012. Project Leader. This project entailed an Environmental Impact Assessment (EIA) process for the upgrading of an existing cement manufacturing plant and associated infrastructure. Responsible for management and review of the EIA process and finances. Involved for 5 person-months. (PPC Ltd).

Construction of the Newton pipeline (South Africa) 02/2011 – 05/2013. Task Leader. This project entailed the construction of a potable water pipeline to supply water to the residents of Newton, Wellington, and Paarl. Responsible for the preparation of documentation in support of the water use authorisation and

liaison with the Department of Water Affairs (DWA). Involved for 0.25 person-months. (Drakenstein Municipality).

Khanyisa Power Station (South Africa) 09/2010 - 01/2012. *Task Leader.* This project entailed an application for environmental authorisation for the proposed Khanyisa Power Station. Responsible for the surface Water Quality Impacts Assessments (WQIAs) associated with the proposed development. Involved for 0.5 person-months. (Ministry of Irrigation and Water Development).

Development of reconciliation strategies for large bulk water supply systems for the Greater Bloemfontein Area (Free State Province, South Africa) 11/2008 – 03/2013. *Project Scientist.* The objective of this project was to develop a strategy that sets out a course of action to ensure adequate and sustainable reconciliation of future water requirements in the Greater Bloemfontein Area for a horizon of at least 25 years. Responsible for report compilation, and project administration. Involved for 2 person-months. (Department of Water Affairs (DWA)).

Establishment of water monitoring systems (Malawi) 11/2008 - 08/2011. *Project Coordinator.* The project involved establishing a network and Management Information System (MIS) for groundwater, surface water, and water quality monitoring systems. Responsible for coordinating the various sub-consultants, the compilation of project documentation, and the review of all reports before submission to the client. Involved for 2 person-months. (Ministry of Irrigation and Water Development).

Development of the Catchment Management Strategy (CMS) for the Breede-Overberg Water Management Area (WMA) (South Africa) 11/2008 - 07/2011. *Project Scientist.* The project entailed developing a Catchment Management Strategy (CMS) for the Breede-Overberg Water Management Area (WMA). Aurecon was appointed as a technical sub-consultant to provide input to the water resource component of the CMS. Assisted with the compilation of the report on the status of water resources and water resource management strategies. Involved for 0.8 person-months. (Pegasys).

Compilation of the Integrated Waste and Water Management Plan (IWWMP) for Elitheni Coal in support of a Water Use Licence (South Africa) 11/2008 - 06/2011. *Project Scientist.* The project involved undertaking specialist studies and preparing the technical reports in support of the Integrated Water Use Licence Application (IWULA). Responsible for the preparation of documentation in support of the water use authorisation and liaison with the Department of Water Affairs (DWA). Involved for 0.6 person-months. (Elitheni Coal (Pty) Ltd).

Development of reconciliation strategies for the Algoa Water Supply Area (Eastern Cape Province, South Africa) 11/2008 - 06/2011. *Project Scientist.* The project entailed developing strategies to reconcile the water supply available from the Algoa Water Supply System (AWSS) with the water requirements up to 2035. Responsible for the compilation of reports and project administration. Involved for 2 person-months. (Department of Water Affairs (DWA)).

Drakenstein River Management Plan: assessment of the urban reaches of rivers within the Drakenstein Municipality (Western Cape Province, South Africa) 11/2008 - 02/2011. *Project Scientist.* The project involved the assessment of the urban reaches of selected rivers from an environmental and engineering perspective to guide the development of a practical river management plan. Responsible for the river assessment. Assisted with the field investigation of the selected rivers. Involved for 0.1 person-months. (Drakenstein Municipality).

Water use authorisation process for identified water uses at the Pretoria Portland Cement's (PPC's) Jupiter cement plant in terms of the National Water Act (NWA) (South Africa) 02/2008 - 11/2008. *Project Scientist.* The project involved an application for a water use authorisation for the Jupiter Cement Plant. Responsible for the compilation of the technical reports in support of the Water Use Licence Application (WULA). Responsible for the preparation of documentation in support of the water use authorisation and liaison with the Department of Water Affairs (DWA). Involved for 0.25 person-months. (Pretoria Portland Cement (PPC)).

Compilation of the Volunteer Water Quality Training Manual, the Communication Structures Manual, and the Training Needs Manual for the Adopt-a-River Programme, Phase 2: development of an implementation plan (South Africa) 11/2008 - 02/2011. *Project Scientist.* The aim of the Adopt-a-River Programme was to create awareness and an understanding amongst all South Africans of the need to care for our scarce water resources and to facilitate their participation in the protection and management of these resources in an integrated manner. Responsible for developing the training manual for setting up a Water Quality Monitoring Programme (WQMP). Involved for 0.4 person-months. (Department of Water Affairs

(DWA)).

Surface Water Quality Impact Assessment for the proposed ferrochrome smelter located outside of the Brits industrial area (North West Province, South Africa) 11/2008 - 02/2011. *Project Scientist.* The project comprised the assessment of the surface water impacts associated with establishing a ferrochrome smelter, and the development of baseline and operational Water Quality Monitoring Programme. Responsible for the surface Water Quality Impact Assessment and developing the Water Quality Monitoring Programme. Involved for 0.5 person-months. (Quanto Environmental Solutions cc).

Environmental compliance audits of Eskom's Gourikwa and Atlantis gas turbine power stations (Western Cape Province, South Africa) 02/2008 - 11/2008. *Project Scientist.* The project entailed auditing the construction sites in terms of the Environmental Management Plan (EMP). Responsible for compliance auditing on a quarterly interval. Involved for 1 person-month. (Eskom).

Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) for the transmission lines for a conventional nuclear power station and associated infrastructure at the Bantamsklip site (Nuclear 1) (Western Cape Province, South Africa) 02/2008 - 11/2008. *Project Scientist.* The project involved undertaking the Environmental Impact Assessment (EIA) for the proposed transmission line from the Bantamsklip site. Assisted with the Specialist site visit for identifying possible routes and associated impacts for the transmission line. Involved for 0.2 person-months. (Eskom).

Environmental auditing of the construction of erosion control structures along the Jukskei River (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Auditor.* The project entailed undertaking bi-weekly audits during the construction phase and submitting environmental compliance reports to the client. Responsible for environmental auditing and the compilation of audit reports. Involved for 0.1 person-months. (Johannesburg Roads Agency (JRA)).

Evaluation of the Water Use Licence Application (WULA) for Palabora Mining Company (PMC), Twickenham Platinum Mine, Sasol Nitro, and Xstrata Alloys in terms of the National Water Act (NWA) (South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project entailed the assessment of Water Use Licence Applications (WULA) on behalf of the Department of Water Affairs (DWA). Assisted with the drafting of the water use licences in accordance with the National Water Act (Act 36 of 1998) and record of decision. Involved for 4 person-months. (Department of Water Affairs (DWA)).

Gautrain Rapid Rail Link (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project involved a Water Use Licence Application (WULA) for the water use activities triggered by the Gautrain Rapid Rail Link. Assisted with the preparation of the technical report in support of the Water Use Licence Application. Involved for 1 person-month. (Gauteng Department of Public Transport, Roads and Works (GDPTRW)).

Gautrain Rapid Rail Link: diversion of a tributary of the Hennops River (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project entailed applying for an amendment of the Gautrain Water Use Licence to include the proposed diversion of a tributary of the Hennops River. Assisted with the preparation of the technical report in support of Section 21 (i) and (c) water uses. Involved for 0.6 person-months. (Gauteng Department of Public Transport, Roads and Works (GDPTRW)).

Evaluation of the various Water Use Licence Applications (WULAs) in terms of the National Water Act (NWA) (South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project entailed the evaluation of Water Use Licence Applications (WULA) on behalf of the Department of Water Affairs (DWA). Assisted with the preparation of the water use licences in accordance with the National Water Act (Act 36 of 1998) and record of decision. Involved for 1 person-month. (Department of Water Affairs (DWA)).

Assessment of the Water Use Licence backlog and the evaluation of the various Water Use Licence Applications (WULAs) in terms of the National Water Act (NWA) (South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project entailed the assessment of Water Use Licence Applications (WULA) backlog to better understand the reasons for delays. Responsible for checking on the status of WULAs in Gauteng and in the Western Cape. Involved for 1 person-month. (Department of Water Affairs (DWA)).

The development of a reconciliation strategy for the Crocodile West Water Supply System: water quality assessment report (South Africa) 11/2005 - 01/2008. *Environmental Scientist.* This project involved developing a reconciliation strategy for the Crocodile West Water Supply System. Responsible for data analysis and preparing the water quality assessment report. Involved for 2 person-months. (Department of Water Affairs (DWA)).

Upgrading of the Khutsong Wastewater Treatment Works (WWTW) (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project involved applying for environmental authorisation for the proposed upgrade of the Khutsong Wastewater Treatment Works (WWTW). Assisted with the compilation of the Environmental Impact Assessment (EIA) reports. Involved for 1 person-month. (Merafong City Local Municipality).

Construction of the Kokosi Wastewater Treatment Works (WWTW) (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project involved applying for environmental authorisation for the proposed upgrade of the Kokosi Wastewater Treatment Works (WWTW). Assisted with the compilation of the Environmental Impact Assessment (EIA) reports. Involved for 1 person-month. (Merafong City Local Municipality).

Upgrade of the expansion of the Zeekoegat Wastewater Treatment Works (WWTW) (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project involved applying for environmental authorisation for the proposed upgrade of the Zeekoegat Wastewater Treatment Works (WWTW) and applying for the Water Use Licence in terms of the National Water Act (NWA) (Act 36 of 1998). Assisted with the compilation of the Environmental Impact Assessment (EIA) reports. Involved for 1 person-month. (City of Tshwane).

Construction of the Wastewater Treatment Works (WWTW) for Nolutshanyo (South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project entailed applying for environmental authorisation for the proposed Nolutshanyo Wastewater Treatment Works (WWTW). Responsible for the Environmental Impact Assessment (EIA). Assisted with the compilation of the Environmental Impact Assessment (EIA) reports. Involved for 1 person-month. (Ndlambe Municipality).

Construction of the poultry facility for Bontsi Poultry (Gauteng Province, South Africa) 11/2005 - 01/2008. *Environmental Scientist.* The project involved applying for environmental authorisation for the proposed development of a poultry farm. Assisted with the compilation of the Environmental Impact Assessment (EIA) reports. Involved for 0.6 person-months. (Bontsi Poultry (Pty) Ltd).

Environmental Management Plan (EMP) and environmental auditing of the new Durban Stadium construction site for the duration of the construction period (KwaZulu-Natal Province, South Africa) 11/2005 - 01/2008. *Environmental Auditor.* The project entailed compiling of an Environmental Management Plan (EMP) and undertaking monthly audits. Responsible for compiling the EMP and compliance auditing on a monthly. Involved for 2 person-months. (Ibhola Lethu Consortium).

Education

2004	:	MSc Water Resource Management, University of Pretoria, South Africa
2002	:	Honours, University of Cape Town, South Africa
2001	:	BSc Microbiology and Plant Pathology, University of KwaZulu-Natal, South Africa

Career enhancing courses

2012	:	Project Management: Principles and Methods for Use in Business, University of Cape Town, South Africa
2012	:	Project Management Course, Aurecon Project Support Office
2010	:	Legal Training Course, Aurecon Group Legal Services
2010	:	Climate Change and Integrated Water Resource Management (IWRM), University of the Western Cape, South Africa
2009	:	Catchment Management Strategy Development for the Breede Water Management Area (WMA), FET Water
2007	:	Environmental Law for Environmental Managers, North West University, Potchefstroom Campus
2006	:	Environmental Impact Assessment (EIA): The National Environmental Management Act (NEMA), North West University, Potchefstroom Campus

Professional affiliations

Professional Natural Scientist, South African Council for Natural Scientific Professions (SACNSP)

Languages

	Reading	Writing	Speaking
English	Excellent	Excellent	Excellent
Afrikaans	Fair	Fair	Fair

Referees

Company	Contact Person	Telephone nr.
Mulilo Renewable Project Developments	John Cullum	+27 21 934 5278
Aurecon	Andries van der Merwe	+27 44 805 5427

CURRICULUM VITAE

Name of Firm :	Aurecon (Pty) Ltd	Name of Staff :	Simon Clark
Profession :	Environmental Practitioner	Year of Birth :	1978
Years with Firm :		Nationality :	South African

Membership in Professional Societies:
Key Qualifications:

Mr Clark, an Environmental Practitioner in the Cape Town office has a Bachelors of Arts degree in Environment Management, from the University of South Africa. Simon has over 6 months experience in the environmental field and has assisted in compiling environmental investigations including Basic Assessments Environmental Scoping and Environmental Impact Assessments.

Experience Record:
1a) Regulatory Processes and Environmental Impact Assessment: *Impact Assessment:*

2011-present	Proposed Expansion of Sherwood Poultry Farm near Malmesbury, Western Cape.	Project Staff
2011-present	Proposed Development of 15 Luxury Apartments on Lions Hill, Western Cape.	Project Staff
2011-present	Working for Wetlands Rehabilitation Projects, Provincial.	Project Staff
2011-present	Proposed construction of an anaerobic digester for the generation of electricity at Elgin Fruit Juices, Grabouw	Project Staff
2011-present	Proposed Wind Energy Facility near Vredenburg, Western Cape.	Project Staff
2011-present	Proposed Wind Energy Facility near Velddrif, Western Cape.	Project Staff
2011-present	Proposed Wind Energy Facility near Saldanha, Western Cape.	Project Staff

4) Other:

2011	Due Diligence for the proposed upgrade of Buffeljagt Divisional Road 1326, Buffeljagtsrivier area near Swellendam, Western Cape.	Project Staff
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Countries of Work Experience: South Africa, United Kingdom.

Education: -BA Environmental Management, University of South Africa 2010.

Employment Record:

20011 - present	Environmental Practitioner, Aurecon (Pty) Ltd
2008- 2010	Manager Soundlab (Pty) Ltd
2006-2007	Key Account Manager META (Pty) Ltd
2004- 2006	General Manager Sound Around CC
2001- 2004	Sales Manager TPG CC

Languages: English (first), Afrikaans

CURRICULUM VITAE

Name of Firm : Aurecon (Pty) Ltd Profession : Environmental Practitioner Years with Firm : 4	Name of Staff : Louise Corbett Year of Birth : 1981 Nationality : South African
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Membership in Professional Societies: Treasurer of the South African affiliate of the International Association for Impact Assessment, (IAIASa)

Key Qualifications:

Ms Corbett, an Environmental Practitioner in the Cape Town office has a Bachelors of Science (Hons) degree in Environmental and Geographical Science, specialising in Environmental Management, from the University of Cape Town. Louise has over five years experience in the environmental field and has compiled and managed numerous environmental investigations including Environmental Impact Assessments, Environmental Management Plans and Environmental Management Programmes. Louise is the treasurer of the South African affiliate of the International Association for Impact Assessment (Western Cape Branch) and is a registered Professional Natural Scientist.

Experience Record:

1a) Regulatory Processes and Environmental Impact Assessment: *Impact Assessment:*

2011-present	Proposed Wind Energy Facility near Koekenaap, Western Cape	Project Manager
2011-present	Proposed Reverse Osmosis Plant at Hendrina Power Station, Mpumalanga	Project Manager
2010-present	Proposed Wind Energy Facility near Komsberg, Western Cape	Project Manager
2010-present	Proposed Wind Energy Facility near Copperton, Northern Cape	Project Manager
2010-present	Proposed Hydropower Station on the Orange River near Kakamas, Northern Cape	Project Manager
2010-present	Proposed Brine and Groundwater Treatment Works at Tutuka Power Station, Mpumalanga	Project Manager
2010-present	Proposed Stormwater System Rehabilitation at Zevenwacht, Western Cape	Project Manager
2010-2011	Proposed Expansion of the Piketberg Wastewater Treatment Works, Piketberg, Western Cape	Project Manager
2010	Proposed coal mine expansion near Tete, Mozambique	Project Staff
2009	Proposed wind monitoring masts in Middelburg, Eastern Cape	Project Staff
2009	Proposed wind monitoring masts in De Aar, Northern Cape	Project Staff
2009	Proposed wind monitoring masts in Cookhouse, Eastern Cape	Project Staff
2008-present	Proposed Fisantekraal New Town Development	Project Staff

2008	Proposed Langefontein Windfarm, West Coast	Project Staff
2008-present	Proposed Coal-Fired Power Station in the Waterberg, Limpopo	Project Staff and Manager
2008	Proposed Subdivision of Farm Palmiet River No. 319, Elgin	Project Staff
2008	Proposed Sedgefield Off-Channel Dam, Sedgefield	Project Staff
2007-2008	Proposed Plant Extraction Facility in the Paarl Industrial Area, Paarl	Project Staff
2007	Proposed upgrade of fuel pipelines at the Cape Town International Airport.	Project Manager
2006-2007	Proposed rezoning of public open space (portion of Erf 10565) in Boston.	Project Manager
2006-2007	Proposed upgrade of N1 intersections near De Doorns.	Project Manager
2006-2007	Proposed development of the Ibhubesi Gas Field and associated infrastructure, West Coast, South Africa.	Project Staff
2006-2007	Proposed new regional landfill to service the City of Cape Town.	Project Staff
2006-2007	Proposed subdivision and rezoning of Erf 1366, Eerste River.	Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 23300, Maitland (Royal Maitland Phase 3).	Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 3410, Simon's Town.	Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 1, Simon's Town.	Project Manager
2006-2007	Proposed Rocklands Eco Estate.	Project Manager
2006-2007	Proposed upgrade of facilities at the River Club, Observatory.	Project Manager
1b) Regulatory Processes and Environmental Impact Assessment: <i>Mining and Oil and Gas Prospecting Applications:</i>		
2007	Proposed deepwater geophysical survey of the South African Continental Margin.	Project Manager
2007	Proposed 2D seismic survey in the Northern Block, offshore Namibia.	Project Manager
2007	Proposed borrow pits for the upgrade of road sections in the Central Karoo District.	Project Manager

2006-2007	Proposed borrow pits for the upgrade of road sections in the Overberg District.	Project Staff
2006	Proposed geotechnical survey in the Southern and Northern Blocks offshore Namibia.	Project Manager
2006	Proposed reseal of Trunk road 44/1, Main roads 401, 404, 368 and the upgrade of Divisional road 1834 and the development of an associated borrow pit near Uniondale.	Project Manager

2) Environmental Management Plans:

2010	Construction Environmental Management Plan for Stellenbosch Dams Rehabilitation	Project Manager
2006	Construction Environmental Management Plan for Sitari Fields Golf Estate, Firgrove/ Macassar.	Project Staff

3) Institutional and Policy Development and Professional Review Services:

2007-2008	Department of Economic Affairs Environment and Tourism Decision-making Support.	Project Staff
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4) Other:

2011	Environmental Input to a Potential Hydropower Station on the Orange River, Northern Cape	Project Manager
2008	Environmental Input to Sites for a Solar Cell Factory	Project Staff
2008	Environmental Sensitivity Study for the Proposed Fisantekraal New Town Development, Western Cape	Project Staff
2006	Exemption application for tow surfing in the Table Mountain Marine Protected Area	Project Staff

Countries of Work Experience: South Africa, United Kingdom, Canada, Mozambique

Education:
 -BSc (Hons) Environmental Management, University of Cape Town, 2004.
 -BSc Environmental & Geographical Science, University of Cape Town, 2003.

Employment Record:

2009 - present	Senior Environmental Practitioner, Aurecon (Pty) Ltd
2007- 2009	Environmental Practitioner, Ninham Shand (Pty) Ltd
2006-2007	Environmental Consultant, CCA Environmental (Pty) Ltd
2005- 2005	Systems Administrator, Morrison's Plc, London UK
2004- 2005	Customer Services Advisor, Barclays Bank Plc, London UK
2003-2004	Fairmont Gold Attendant, Fairmont Chateau Whistler, Whistler Canada
2003-2003	Practical Demonstrator to undergraduate Environmental and Geographical Science students, University of Cape Town

Languages: English (first), Afrikaans

Curriculum vitae: Mr AB LAWSON

Name : LAWSON, ALLAN BRETT
 Date of Birth : 15 July 1954
 Profession/Specialisation : Environmental Specialist
 Years with Firm : 8
 Nationality : South African
 Years experience : 39

Key qualifications

Mr Lawson has a Masters in Environmental and Geographical Science, in addition to qualifications pertaining to wildlife management, business management, environmental management and environmental auditing.

He spent 12 years in the field of wildlife management and research with conservation agencies in Southern Africa, including South Africa; and nine years in the holistic field of environmental management in the National Lake Areas and for Eskom.

In 1995 Mr Lawson was one of the founders of Bohlweki, the first emergent environmental consultancy established in South Africa. He later started The Environmental Partnership which he relinquished in 2004 as a fully empowered environmental consultancy. He thus has considerable multi-disciplinary experience across the range of environmental sciences.

Employment record

03/2009 - Date	Aurecon (previously Africon, Connell Wagner and Ninham Shand), Environmental Unit Manager
2004 - 02/2009	Ninham Shand, Cape Town/George, Associate
1998 - 2004	The Environmental Partnership, Cape Town, Director
1995 - 1998	Bohlweki Environmental (Pty) Ltd, Cape Town, Chief Consultant
1990 - 1995	Eskom, Western Cape, Environmental Advisor
1985 - 1990	National Parks Board, Western Cape, Senior Ranger/Warden
1982 - 1985	National Parks Board, Free State, Ranger
1980 - 1982	Department of Nature and Environmental Conservation, Western Cape, Research Technician
1975 - 1980	Department of Nature and Environmental Conservation, Western Cape, Conservator
1974 - 1975	Limshapo Game Conservation Syndicate, Botswana, Game Ranger
1973	Mineral Services (Pty) Ltd, Namibia, Field Technician

Experience record

Working for Wetlands: rehabilitation and restoration planning (Western Cape, South Africa) 2010 - date. *Project Director.* The project provided assistance in the management and requisite authorisation requirements for rehabilitating priority wetlands within South Africa. (South African National Botanical Institute (SANBI)).

Al Ain area surface transport master plan (Abu Dhabi, United Arab Emirates) 2010 - date. *Environmental Specialist.* The project entailed the transport master plan for the Al Ain surface. Responsible for providing specialist environmental management input into a transport master plan commissioned by the Abu Dhabi Department of Transport.

Floating Liquefied Natural Gas (LNG) Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) (Western Cape, South Africa) 2010. *Project Director.* The project entailed an Environmental Impact Assessment (EIA) process for the development of a facility to transfer LNG from an LNG vessel to shore in order to bolster feedstock supply to PetroSA's gas-to-liquid facility at Mossel Bay.

Moatize Coal Mine expansion (Tete Province, Mozambique) 2010. *Project Manager.* The project comprised an Environmental Impact Assessment (EIA) process for the expansion of the existing coal mine in northern Mozambique. This formed part of a larger project that included a railway line to the coast at Nacala.

This large-scale EIA relied heavily on a number of specialists and detailed technical input

Tutuka Power Station brine and groundwater infrastructure Environmental Impact Assessment (EIA) (Mpumalanga, South Africa) 2009 - date. Project Director. The project entailed an Environmental Impact Assessment (EIA) process to reduce its operational environmental impacts at the Tutuka Power Station through the establishment of a brine concentration plant and a groundwater abstraction plant.

Waterberg coal-fired power station environmental process (Limpopo, South Africa) 2008 - date. Project Director. The project comprised an Environmental Impact Assessment (EIA) and the compilation of an Environmental Management Plan (EMP) for the construction of a new coal-fired power station in the Waterberg area. This large-scale project included extensive public participation and a suite of specialist studies.

Paratus emergency generation facility environmental process (Walvis Bay, Namibia) 2008. Project Director. Responsible for managing the environmental process in relation to a proposed 50MW heavy fuel oil emergency electricity generation facility located in the industrial port area.

Environmental and Socio-Economic Impact Assessment (ESIA) for a proposed NamPower coal-fired power station (Walvis Bay, Namibia) 2008. Project Director. The project included an ESIA for a proposed coal-fired power station at Walvis Bay. The project further entailed a site screening and selection process, a scoping study and an ESIA, supported by an Environmental Management Plan (EMP). (NamPower).

Rössing Uranium Mine expansion project (Erongo Region, Namibia) 2007. Project Director. Responsible for managing a comprehensive and multi-disciplinary Environmental Impact Assessment (EIA) process for Phase 1 of the mine expansion project. (Rössing Uranium Limited).

Emergency electricity generation for the PetroSA Refinery (Mossel Bay, Western Cape, South Africa) 2006. Project Manager. The project entailed a scoping checklist submission for the temporary installation of three 22MW portable open cycle gas turbine electricity generating plants within the PetroSA Refinery site in Mossel Bay. The objective of the installation was to augment electricity generation in the Western Cape until permanent open cycle gas turbine plants could be brought on line at Mossel Bay and Atlantis. (Eskom).

New coal-fired power station and associated infrastructure in the Witbank area (Mpumalanga, South Africa) 2006. Project Manager. Responsible for managing a comprehensive and multi-disciplinary Environmental Impact Assessment (EIA) process for a new 5 400MW base-load power plant and associated infrastructure. (Eskom).

Additional units at the open cycle gas turbine plant at Mossel Bay (Western Cape, South Africa) 2006. Project Manager. Responsible for managing a comprehensive and multi-disciplinary Environmental Impact Assessment (EIA) process for three additional gas turbine units at the peaking generation power plant in Mossel Bay. (Eskom).

Melkhoutfontein landfill site environmental process (Stilbaai, Western Cape) 2006. Consulting Team Member. Responsible for managing an Environmental Impact Assessment (EIA) process for a new landfill site in collaboration with GeoStatus Engineering Geologists. (Hessequa Municipality).

Open cycle gas turbine power plant, fuel supply pipeline, substation and transmission lines (Mossel Bay, Western Cape, South Africa) 2006. Project Manager. An Environmental Management Plan (EMP) was compiled for the construction of a new peaking generation power plant and associated infrastructure. (Eskom).

Independent review of the Environmental Impact Assessment (EIA) for a golf course development (Plettenberg Bay, Western Cape, South Africa) 2006. Project Manager. During this project, an independent review of the EIA documentation and process for a Roodefontein golf course/residential development was done. (Department of Environmental Affairs and Development Planning).

Alien vegetation eradication and rehabilitation, Fancourt Estate (George, Western Cape, South Africa) 2006. Consulting Team Member. During this project, an alien vegetation eradication and rehabilitation plan was formulated for a landholding on the Malgas River. (Fancourt Golf and Country Estate).

Baden Powell Drive realignment project (Cape Town, Western Cape, South Africa) 2005. Project Manager. The project entailed a scoping checklist submission, which included an environmental

opportunities and constraints report and comprehensive public participation, for the realignment of a Class 1 expressway. The realignment formed one of the City of Cape Town's urban renewal programme projects. (City of Cape Town).

Berg River Dam project (Western Cape, South Africa) 2005. *Environmental Monitor.* Responsible for performance monitoring of the application of the Environmental Management Plan (EMP) for a significant dam construction project. (Berg River Consultants).

Independent review of the Environmental Impact Assessment (EIA) for a golf course development (Malmesbury, Western Cape, South Africa) 2005. *Project Manager.* During this project, an independent review of the EIA submission for the Mount Royal golf course/residential development was carried out. (Department of Environmental Affairs and Development Planning).

Taal Monument security fence construction, Paarl Mountain (Western Cape, South Africa) 2005. *Project Manager.* A Conservation Management Plan (CMP) and construction guidelines for the erection of a new security fence around a cultural precinct were formulated as part of this project. (Department of Public Works (DPW)).

Helderstroom Prison upgrade (Caledon, Western Cape, South Africa) 2004. *Project Manager.* The project comprised a scoping-level Environmental Impact Assessment (EIA) for new and replacement housing, recreational facilities and a fuel station. (Department of Public Works (DPW)).

Kraaifontein residential development (Western Cape, South Africa) 2004. *Project Manager.* The project consisted of a scoping checklist submission for rezoned agricultural land. (EGT Developers).

Environmental Management System (EMS) for a toll road (Cape Town, Western Cape, South Africa) 2003 - 2004. *Consulting Team Member.* The project entailed participation in the design of an EMS for Chapmans Peak Drive and implementation by means of the Isometrix software application. (Toll Road Operator).

Cape Town International Convention Centre EMP (Cape Town, Western Cape, South Africa) 2003. *Project Manager.* The project consisted of the compilation and application of an Environmental Management Plan (EMP) for the construction of a new world-standard convention centre. (Private Provincial Partnership).

Chapmans Peak Drive road rehabilitation (Western Cape, South Africa) 2002 - 2004. *Project Manager.* Responsible for applying the Environmental Management Plan (EMP) and managing the environmental monitoring committee. (Provincial Government).

Independent review of the Environmental Impact Assessment (EIA)/Environmental Management Plan (EMP) for the Chapmans Peak Drive road rehabilitation (Cape Town, Western Cape, South Africa) 2002 - 2004. *Consulting Team Member.* During this project, an independent review and advisory service for the planning, approval and construction of the road rehabilitation was provided. (Provincial Government).

Blue Downs Police Station EIA (Western Cape, South Africa) 2002. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) for a new police station was carried out. (Department of Public Works (DPW)).

Independent review of a power line Environmental Impact Assessment (EIA) (Northern Cape, South Africa) 2002. *Project Manager.* This project entailed an independent review of the Oasis - Kanoneiland 66kV power line Environmental Impact Assessment (EIA) process and documentation. (Eskom).

Liesbeek River canal rehabilitation (Cape Town, Western Cape, South Africa) 2002. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) for the rehabilitation of Liesbeek River Canal was undertaken. (City of Cape Town).

Durban Port master plan (Durban, KwaZulu-Natal, South Africa) 2002. *Specialist on Consulting Team.* The project focused on the environmental component of master plan formulation for Durban Port. (National Ports Authority).

Kalk Bay heritage assessment (Kalk Bay, Western Cape, South Africa) 2002. *Project Manager.* The project entailed a public participation process for the redevelopment of the new Kings Hotel and Majestic Village historical sites. (Private Developer).

Paarl farms planning study (Western Cape, South Africa) 2002. *Specialist on Consulting Team.* This project consisted of the biophysical component of a forward-planning study of farmland within Paarl's urban area. (Drakenstein Municipality).

Strategic Environmental Assessment (SEA) for the Lansdowne Road corridor (Cape Town, Western Cape, South Africa) 2002. *Project Manager.* The project comprised a SEA for the Lansdowne Road development corridor. (City of Cape Town).

Table Mountain National Park's Glen, Boulders and Constantia Nek facilities environmental processes (Cape Town, Western Cape, South Africa) 2001 - 2003. *Project Manager.* During this project, Integrated Environmental Management (IEM) processes for the redevelopment of tourist amenities were performed. (SANParks).

Kuilsrivier housing development environmental assessment (Western Cape, South Africa) 2001. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) off Bardale Village's economic housing project was carried out. (Private Developer).

Helderberg 132/11kV substation environmental assessment (Western Cape, South Africa) 2001. *Project Manager.* The project entailed an Environmental Impact Assessment (EIA) for a new substation. (Helderberg Municipality).

Vredenberg - Saldanha road construction (Western Cape, South Africa) 2001. *Project Manager.* During this project, an Environmental Management Plan (EMP) for the construction of a new dual-carriageway was compiled and applied. (Provincial Government).

Saldanha Port service corridor bridge construction (Saldanha, Western Cape, South Africa) 2001. *Project Manager.* The project consisted of an Environmental Management Plan (EMP) for the construction of a new bridge.

Stellenbosch arterial road construction (Western Cape, South Africa) 2001. *Project Manager.* The project entailed the compilation and application of an Environmental Management Plan (EMP) for the construction of an upgraded dual-carriageway. (Provincial Government).

Avifaunal study for the Paradyskloof power line Environmental Impact Assessment (EIA) (Western Cape, South Africa) 2001. *Specialist on Consulting Team.* This project comprised a specialist avifaunal study for the Environmental Impact Assessment (EIA) process for the Paradyskloof power line project. (Stellenbosch Municipality).

Scenic drive network management plan (Cape Town, Western Cape, South Africa) 2001. *Specialist on Consulting Team.* This project consisted of the environmental component of Cape Town's scenic drive management plan formulation. (City of Cape Town).

Siemens cell phone mast sites environmental assessments (Western Cape, South Africa) 2000. *Project Manager.* The project entailed Environmental Impact Assessments (EIAs) for a third cell phone licence at seven mast sites. (Service Provider).

New Saldanha - Vredenberg 66kV power line (Western Cape, South Africa) 2000. *Project Manager.* The project comprised the completion of an Environmental Impact Assessment (EIA) for a new electricity distribution power line. (Local Authority).

Cape Town International Convention Centre environmental management (Cape Town, Western Cape, South Africa) 2000. *Project Manager.* The project consisted of the compilation and application of an Environmental Management Plan (EMP) for the construction of a new convention centre in line with international standards. (Private/Provincial Partnership).

Gordons Sports Institute redevelopment (Western Cape, South Africa) 2000. *Specialist on Consulting Team.* The project completed an Environmental Impact Assessment (EIA) for redevelopment of the sports complex. (Private Developer).

Hazeldean housing development (Western Cape, South Africa) 2000. *Project Manager.* Responsible for providing a pro-bono service in undertaking an Environmental Impact Assessment (EIA) for a community-based housing project.

Faunal study for the Zoarvlei management plan (Cape Town, Western Cape, South Africa) 2000. *Specialist on Consulting Team.* A specialist faunal study for Zoarvlei management plan formulation was carried out as part of this project. (Blaauwberg Municipality).

Rooiels residential development (Western Cape, South Africa) 1999. *Project Manager.* The project entailed an Environmental Impact Assessment (EIA) for new residents in a coastal settlement. (Private Landowner).

Milnerton Racecourse redevelopment (Cape Town, Western Cape, South Africa) 1999. *Project Manager.* The project consisted of an Environmental Impact Assessment (EIA) for the redevelopment of a racecourse for mixed urban use. (Private Developer).

Suikerbossie development (Hout Bay, Western Cape, South Africa) 1999. *Project Manager.* The project comprised an Environmental Impact Assessment (EIA) for the redevelopment of a restaurant and conference facility. (Private Developer).

Kraaifontein urban development (Western Cape, South Africa) 1999. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) for a mixed urban development in a greenfield area was carried out. (Private Developer).

Cape Town International Airport Precinct 2 (Cape Town, Western Cape, South Africa) 1999. *Project Manager.* This project entailed an Environmental Impact Assessment (EIA) for an industrial development on the company's landholdings. (Airports Company of South Africa (ACSA)).

New Gurue - Lichinga 110kV power line (Mozambique) 1999. *Specialist on Consulting Team.* As part of this project, a specialist Environmental Impact Assessment (EIA) methodology was applied in undertaking an EIA for a new electricity distribution network in northern Mozambique. (Scandinavian Development Agency).

Independent review of landfill Environmental Impact Assessment (EIA) (Hermanus, Western Cape, South Africa) 1999. *Project Manager.* This project entailed an independent review of an Environmental Impact Assessment (EIA) for a new regional landfill site. (Arcus Gibb).

Independent review of electricity distribution Environmental Impact Assessments (EIAs) (Western Cape, South Africa) 1998 - 2000. *Project Manager.* The project entailed independent reviews of Environmental Impact Assessments (EIAs) for 10 electricity distribution power lines. (Eskom).

Wynberg traffic alleviation study (Western Cape, South Africa) 1998. *Project Manager.* The project entailed an Environmental Impact Assessment (EIA) for a proposed arterial bypass through a heavily urbanised area. (South Peninsula Municipality/Cape Metro Council).

Somerset Square development (Somerset West, Western Cape, South Africa) 1998. *Project Manager.* This project comprised an Environmental Impact Assessment (EIA) for the development of a new residential precinct. (Private Developer).

Longbeach Mall, Noordhoek (Western Cape, South Africa) 1998. *Project Manager.* This project consisted of an Environmental Impact Assessment (EIA) for the development of a new commercial complex. (Private Developer).

Noree 66/11kV substation construction (Western Cape, South Africa) 1998. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) was completed for a new substation in a rural area. (Local Authority).

Arabella Golf Course environmental management (Hermanus, Western Cape, South Africa) 1998. *Project Manager.* During this project, an Environmental Management Plan (EMP) for the construction of a new golf course was both compiled and applied. (Private Developer).

Krantzkop Strategic Environmental Assessment (SEA) (Wellington, Western Cape, South Africa) 1998. *Project Manager.* This project involved a public participation process for a SEA of the possible redevelopment of an explosives manufacturing plant. (Somchem).

Conservation Management Plan (CMP) for Krantzkop Nature Reserve (Wellington, Western Cape, South Africa) 1998. *Specialist on Consulting Team.* The project entailed a CMP for landholdings surrounding an explosives manufacturing plant as a component of a Strategic Environmental Assessment

(SEA).

Sheffield - Symphony Road alignment (Cape Town, Western Cape, South Africa) 1997. *Consulting Team Member.* The project comprised an Integrated Environmental Management (IEM) process for a new arterial road alignment. (City of Cape Town).

Vanguard Drive preliminary design (Cape Town, Western Cape, South Africa) 1997. *Consulting Team Member.* The project included an Integrated Environmental Management (IEM) process for the preliminary design of an arterial road upgrading project. (City of Cape Town).

Ottery/South/Constantia Road environmental aspects (Cape Town, Western Cape, South Africa) 1997. *Project Manager.* During this project, an Environmental Impact Assessment (EIA) was carried out for a proposed arterial route through a heavily urbanised area. (South Peninsula Municipality/Cape Metro Council).

Myrtle Grove Wine Estate environmental assessment (Western Cape, South Africa) 1997. *Project Manager.* In this project, an Environmental Impact Assessment (EIA) was commissioned for a residential component and expanded processing facilities on the wine farm. (Private Developer).

Wildevollevlei waste water treatment plant public participation (Western Cape, South Africa) 1997. *Project Manager.* The project looked at the public participation component of an Environmental Impact Assessment (EIA) for expansion of the Wildevollevlei treatment plant. (City of Cape Town).

Environmental audits of landfill sites (Gauteng and Western Cape, South Africa) 1997. *Project Manager.* This project entailed audits of landfill sites in Gauteng and the Western Cape in South Africa.

Blackheath transport interchange environmental management (Western Cape, South Africa) 1996. *Consulting Team Member.* The project comprised an Integrated Environmental Management (IEM) process for a transport modal interchange at a railway station and taxi rank. (City of Cape Town).

Kaalfontein residential development environmental assessment (Gauteng, South Africa) 1996. *Consulting Team Member.* The project entailed an Environmental Impact Assessment (EIA) for a new residential precinct in a greenfield area. (Private Developer).

Vredenberg - Paternoster road resurfacing (Western Cape, South Africa) 1996. *Project Manager.* The project included an Environmental Management Plan (EMP) for resurfacing the road. (Provincial Government).

Strategic review of Eskom's annual report (South Africa) 1996. *Project Manager.* During this project, a review was done of the environmental component of the annual report from a strategic point of view. (Eskom's Distribution Group).

Bellville - Cape Town cycle path (Western Cape, South Africa) 1996. *Project Manager.* The project entailed the public participation process for a proposed cycle path. (Cape Metropolitan Council).

Environmental audit of Oliver Tambo International Airport (then Johannesburg International Airport) (Gauteng, South Africa) 1996. *Consulting Team Member.* The project comprised an audit of land issues relevant to the international airport in Johannesburg. (Airports Company of South Africa (ACSA)).

Salt River Power Station decommissioning (Cape Town, Western Cape, South Africa) 1995. *Environmental Advisor.* During this project, a study of the biological component for an Environmental Impact Assessment (EIA) of the decommissioning of Salt River Power Station was done.

Environmental audits of electricity power lines (Limpopo, Mpumalanga, Western Cape) 1993 - 1995. *Environmental Advisor (Team Member).* The project entailed environmental audits of Eskom's Pietersburg - Phalaborwa and Palmiet - Mossel Bay transmission lines, and distribution lines in the Cape.

Environmental Management System (EMS) for an electricity utility (Western Cape, South Africa) 1993 - 1995. *Environmental Advisor (Team Member).* As part of this project, an EMS was developed and initiated for Eskom's Cape Distributor, based on BS7750, ISO9000 and ISO14001.

Environmental of audits electricity substations (KwaZulu-Natal, Mpumalanga, Gauteng, South Africa) 1993 - 1994. *Environmental Advisor (Team Member).* The project entailed audits of Eskom's Marathon,

Venus, Foskop and Newcastle main transmission system substations.

Waenhuiskrans electrification (Southern Cape, South Africa) 1993. *Environmental Advisor.* The project comprised an environmental sensitivity report for the electrification of an underdeveloped fishing village.

Environmental audits of power stations (Gauteng, South Africa) 1993. *Environmental Advisor (Team Member).* The project consisted of environmental audits of land issues relevant to Eskom's Arnot and Wilge Power Stations.

Fixed-point photographic monitoring (Western Cape, South Africa) 1992 - 1994. *Environmental Advisor.* The project entailed fixed-point photographic monitoring of the re-vegetation of the Gydo - Ceres 66kV power line servitude.

Kraaifontein - Scottsdene 66kV power line environmental assessment (Western Cape, South Africa) 1992. *Environmental Advisor.* During this project, an Environmental Impact Assessment (EIA) was carried out for a new power line in a peri-urban area.

Rietvlei - Platteklouf 132kV power line environmental assessment (Western Cape, South Africa) 1992. *Environmental Advisor.* The project included an Environmental Impact Assessment (EIA) for a new power line in a peri-urban area.

Caledon - Jagersbos 66kV power line environmental assessment (Western Cape, South Africa) 1992. *Environmental Advisor.* The project entailed an Environmental Impact Assessment (EIA) for a new power line through a rural area.

Knysna - Robberg 66kV power line environmental assessment (Southern Cape, South Africa) 1992. *Environmental Advisor.* This project entailed an Environmental Impact Assessment (EIA) for a new power line through a rural area.

Woodville - Wilderness 66kV power line environmental assessment (Southern Cape, South Africa) 1991. *Environmental Advisor.* The project consisted of an Environmental Impact Assessment (EIA) for a new power line through a rural area.

Blue Downs - Firgrove 132kV power line environmental assessment (Western Cape, South Africa) 1991. *Environmental Advisor.* The project entailed an Environmental Impact Assessment (EIA) for a new power line through a peri-urban area.

Wilderness National Park management plan (Southern Cape, South Africa) 1988. *Warden/Ecologist.* During this project, the "Procedure for Dealing with Beached or Stranded Marine Mammals" as a component of the Wilderness National Park's management plan was developed.

Avifaunal monitoring (Southern Cape, South Africa) 1986. *Ranger/Ecologist.* The project included individual locus lists for "A Checklist of the Birds of the Southern Cape".

Golden Gate Highlands National Park management plan (Free State, South Africa) 1982 - 1985. *Ranger/Ecologist.* The project entailed long-term ungulate population monitoring and maintained census records.

Research methodology, Jonkershoek Research Station (Western Cape, South Africa) 1981. *Research Technician.* During this project, a photo-micrographic technique for carnivore scat analysis was developed.

Research methodology, Jonkershoek Research Station (Western Cape, South Africa) 1980. *Research Technician.* A collapsible fall-cage for carnivore capture was designed and applied as part of this project.

Education

1996	:	MA (Environmental and Geographical Science), University of Cape Town, South Africa
1989	:	Diploma in Small Business Management, Potchefstroom University, University of Potchefstroom, South Africa
1985	:	BA (Geography), University of South Africa (UNISA)
1976	:	Diploma in Nature Conservation and Wildlife Management, Pretoria Technikon, South Africa

Career enhancing courses

0	:	Environmental Management (negotiation skills, Integrated Environmental Management (IEM)), University of Cape Town, South Africa
0	:	Business Management (personal computers, management skills, performance appraisal), -
0	:	Conservation Management (taxidermy, chemical immobilisation, ski-boat skipper's licence), -

Languages

	Reading	Writing	Speaking
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent

Honours and awards

Chosen as Transport Economics Student in Southern Africa in 1996 to represent the Southern African Round Table at the Council of Logistics Management held in Orlando, Florida

Publications

Lawson AB (1997). ""Applying Sector-Specific EIA Methods: Lessons Learnt from Large Linear Developments"". Proceedings of the annual conference of the South African chapter of the International Association for Impact Assessment, KwaMaritane, September, 1997..

Lawson AB (1996). "Environmental Impact Assessment in the Routing of High Voltage Overhead Transmission Lines: Theory and Practice in South Africa". Unpublished MA dissertation.

Lawson AB and Wyndham MJ (1992). "A System of Monitoring Wildlife Interactions with Electricity Distribution Installations in a Supply Region of the Cape Province in Southern Africa". Proceedings of the Electric Power Research Institute (EPRI) International Workshop on Avian Interactions with Utility Structures, Miami, September 1992.

Earle RA and Lawson AB (1988). "An Annotated Checklist of the Birds of the Golden Gate Highlands National Park". Koedoe 31: 227-243.

Lawson AB (1982). "Notes on the Mammals of the Gamka Mountain Reserve, Cape Province". Bontebok 2: 1-8.

Norton PM and Lawson AB (1985). "Radio Tracking of Leopards and Caracals in the Stellenbosch Area, Cape Province". S Afr J Wildl Res 15: 17-24.

Norton PM, Lawson AB, Henley SR and Avery G (1986). "Prey of Leopards in Four Mountain Areas of the South-Western Cape Province". S Afr J Wildl Res 16: 47-52.

Lawson AB (1993). "Monitoring Wildlife and Powerline Interactions in the Fynbos Biome. In Monitoring Requirements for Fynbos Management Marais C and Richardson DM (eds)". Programme Report Series Number 11, FRD.

Lawson AB (1995). ""Environmental Impact Assessment within the Power Utility Industry in South Africa: the Distribution Group Perspective"". Proceedings of the 15th annual International Association for Impact Assessment conference, Durban, June 1995..