

Karien Killian

Environmental Scientist



Profession	Environmental Scientist
Education	MSc Marine Botany, Nelson Mandela Metropolitan University, 2011 BSc Hons Zoology, Nelson Mandela Metropolitan University, 2006 BSc, Zoology, Botany, Geography, GIS, Nelson Mandela Metropolitan University, 2005
Registrations/ Affiliations	None

Specialisation Basic Assessments, Environmental Impact Assessments, Environmental Management Plans, Waste License Applications, Water Use License Applications, Environmental Auditing, Section 24G Applications.

Expertise Karien Killian has previous experience in the aquaculture industry, specifically involving the Pacific Oyster (*Crassostrea gigas*) Hatchery in the Port Elizabeth Harbour where she worked for one year. Her expertise includes water quality / nutrient analyses (relating to mariculture and phytoplankton), algal culturing and surf-zone phytoplankton dynamics, as well as Harmful Algal Blooms in which she has four years' experience.

Karien also has previous experience in GIS, working for NAVTEQ (now HERE) as a Geographical Analyst for 3 years. Expertise includes map data collection and verification, database management, and map production.

Employment

2014 - present	SRK Consulting (Pty) Ltd, Environmental Scientist (Consultant), Port Elizabeth
2009 - 2012	NAVTEQ, Geographic Analyst, Port Elizabeth
2008 - 2009	B & G Mariculture / Kowie Oysters, Hatchery Supervisor, Port Elizabeth
2004 - 2008	NMMU Botany and Zoology Departments, Research / Laboratory Assistant

Languages English – read, write, speak (Excellent)
Afrikaans – read, write, speak (Excellent)

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Key Experience: Environmental impact assessments

Location: Petrusville, Northern Cape, South Africa
 Project duration & year: 2015 - ongoing
 Client: Kloofsig Solar (Pty) Ltd.
 Name of Project: Proposed 75 MW Kloofsig Solar PV Energy Facility, Northern Cape – **Kloofsig 1**
 Project Description: Scoping and Environmental assessment process of a proposed solar photovoltaic (PV) energy generation facility and associated infrastructure.
 Job Title and Duties: Compilation of Scoping and Environmental Impact Report
 Value of Project: R 450 000

Location: Petrusville, Northern Cape, South Africa
 Project duration & year: 2015 - ongoing
 Client: Kloofsig Solar (Pty) Ltd.
 Name of Project: Proposed 75 MW Kloofsig Solar PV Energy Facility, Northern Cape – **Kloofsig 2**
 Project Description: Scoping and Environmental assessment process of a proposed solar photovoltaic (PV) energy generation facility and associated infrastructure.
 Job Title and Duties: Compilation of Scoping and Environmental Impact Report
 Value of Project: R 450 000

Location: Petrusville, Northern Cape, South Africa
 Project duration & year: 2015 - ongoing
 Client: Kloofsig Solar (Pty) Ltd.
 Name of Project: Proposed 75 MW Kloofsig Solar PV Energy Facility, Northern Cape – **Kloofsig 3**
 Project Description: Scoping and Environmental assessment process of a proposed solar photovoltaic (PV) energy generation facility and associated infrastructure.
 Job Title and Duties: Compilation of Scoping and Environmental Impact Report
 Value of Project: R 450 000

Key Experience: Basic assessments

Location: St. Marks to Sabalele, Eastern Cape, South Africa
 Project duration & year: 2014 - 2015
 Client: SANRAL
 Name of Project: Upgrade of the DR 08376 from the R61 at St Marks to Sabalele Village
 Project Description: Environmental Assessment of the widening and surfacing of the R61 at St Marks to Sabalele Village (19 km), including assessment of borrow pits and river crossings
 Job Title and Duties: Compilation of Basic Assessment Report and Mining Environmental Management Programme.
 Value of Project: R 300 000

Location: Alexandria area, Eastern Cape, South Africa
 Project duration & year: November 2014 - 2015
 Client: Wycombevale Broers Boerdery
 Name of Project: Wycombevale Vegetation Clearing BA
 Project Description: Basic Assessment for clearing of agricultural land for pastures
 Job Title and Duties: Compilation of Basic Assessment reports and Environmental Management Programme
 Value of Project: R 150 000

Location: Humansdorp, Eastern Cape Province
 Project duration & year: 2015

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Client: Eastern Cape Department of Rural Development and Agrarian Reform
 Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
 Project Description: Basic Assessment and Waste License Application for a milking parlour near Humansdorp in the Eastern Cape Province
 Job Title and Duties: Compilation of Basic Assessment report and Environmental Management Programme.
 Value of Project: R 150 000

Location: Kenton on Sea, Eastern Cape Province
 Project duration & year: 2015
 Client: Seriso 616 (Pty) Ltd
 Name of Project: Fuel Service Station, Kenton-on-Sea, Eastern Cape Province
 Project Description: Basic Assessment for a fuel service station in Kenton on Sea in the Eastern Cape Province
 Job Title and Duties: Compilation of Basic Assessment report and Environmental Management Programme.
 Value of Project: R 330 000

Location: Louterwater, Eastern Cape Province
 Project duration & year: 2016 - ongoing
 Client: Granor Passi Langkloof (Pty) Ltd.
 Name of Project: Proposed Granor Passi Evaporation Ponds, Louterwater, Eastern Cape
 Project Description: Basic Assessment for evaporation ponds for a fruit processing plant in Louterwater in the Eastern Cape Province
 Job Title and Duties: Compilation of Basic Assessment report and Environmental Management Programme.
 Value of Project: n/a

Location: Despatch, Eastern Cape Province
 Project duration & year: 2016 - ongoing
 Client: G5 Properties (Pty) Ltd.
 Name of Project: Proposed Rezoning of Erf 4603, Despatch, Nelson Mandela Bay Municipality
 Project Description: Basic Assessment for the rezoning of Erf 4603, Despatch from Undetermined to Industrial use.
 Job Title and Duties: Compilation of Basic Assessment report and Environmental Management Programme.
 Value of Project: n/a

Key Experience: Waste license applications

Location: Witteklip, Port Elizabeth
 Project duration & year: 2012 - 2015
 Client: NMBM
 Name of Project: Isizwe Witteklip Housing Wastewater Treatment Works
 Project Description: Basic assessment and waste license application for a wastewater treatment works associated with the proposed Witteklip housing development
 Job Title and Duties: Assisting with compilation of waste licence application
 Value of Project: R 560 000

Location: Humansdorp, Eastern Cape Province
 Project duration & year: 2015
 Client: Eastern Cape Department of Rural Development and Agrarian Reform
 Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
 Project Description: Waste License Application for a milking parlour near Humansdorp in the Eastern Cape Province
 Job Title and Duties: Compilation of Integrated Waste License Application.

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Value of Project: R 150 000

Location: Louterwater, Eastern Cape Province

Project duration & year: 2016 - ongoing

Client: Granor Passi Langkloof (Pty) Ltd.

Name of Project: Proposed Granor Passi Evaporation Ponds, Louterwater, Eastern Cape

Project Description: Waste licence application for evaporation ponds for a fruit processing plant in Louterwater in the Eastern Cape Province

Job Title and Duties: Compilation of Integrated Waste Licence application

Value of Project: n/a

Key Experience: Water use license applications

Location: St. Marks to Sabalele, Eastern Cape, South Africa

Project duration & year: 2014 - 2015

Client: SANRAL

Name of Project: Upgrade of provincial road DR 08376 from the R61 at St Marks to Sabalele Village

Project Description: Water Use Licence application for the upgrade of district road DR 08376 from gravel to surface standard

Job Title and Duties: Compilation of Water Use Licence Applications

Value of Project: R 300 000

Location: Cookhouse, Eastern Cape, South Africa

Project duration & year: March 2014 – September 2015

Client: Blue Crane Route Municipality

Name of Project: Cookhouse WWTW Upgrade BA and WULAs

Project Description: Basic Assessment and WULAs for upgrade of existing wastewater treatment works

Job Title and Duties: Assisting with compilation of Water use Licence Application.

Value of Project: R150 000

Location: Humansdorp, Eastern Cape Province

Project duration & year: 2015

Client: Eastern Cape Department of Rural Development and Agrarian Reform

Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province

Project Description: Water Use License Application for a milking parlour near Humansdorp in the Eastern Cape Province

Job Title and Duties: Compilation of Water Use License Application.

Value of Project: R 150 000

Location: Louterwater, Eastern Cape Province

Project duration & year: 2016 - ongoing

Client: Granor Passi Langkloof (Pty) Ltd.

Name of Project: Proposed Granor Passi Evaporation Ponds, Louterwater, Eastern Cape

Project Description: Water Use Licence application for evaporation ponds for a fruit processing plant in Louterwater in the Eastern Cape Province

Job Title and Duties: Compilation of Water Use Licence application

Value of Project: n/a

Location: Despatch, Eastern Cape Province

Project duration & year: 2016 - ongoing

Client: G5 Properties (Pty) Ltd.

Name of Project: Proposed Rezoning of Erf 4603, Despatch, Nelson Mandela Bay Municipality

Project Description: Water Use Licence application for the rezoning of Erf 4603, Despatch from Undetermined to Industrial use.

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Job Title and Duties: Compilation of Water Use Licence application
Value of Project: n/a

Key Experience: Environmental auditing

Location: Kuyga, Greenbushes, Eastern Cape
Project duration & year: 2015
Client: AECOM (on behalf of NMBM)
Name of Project: Upgrade of Kuyga sewers and construction of sewer pumpstation
Project Description: Environmental Control Officer function for the upgrade of the Kuyga sewers and construction of the sewer pump station in Kuyga Township, Greenbushes
Job Title and Duties: Monitoring construction of the sewers and pumpstation, compiling monthly audit reports and liaising with the contractors.
Value of Project: R 60 000

Location: Humansdorp, Eastern Cape Province
Project duration & year: 2016 - ongoing
Client: Eastern Cape Department of Rural Development and Agrarian Reform
Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
Project Description: Environmental Control Officer function for a milking parlour near Humansdorp in the Eastern Cape Province
Job Title and Duties: Monitoring construction of the milking parlour, compiling monthly audit reports and liaising with the contractors and engineers.
Value of Project: R 150 000