



POSITION : **Associate (Environmental Scientist)**
NAME OF FIRM : GIBB (Pty) Ltd
NAME OF STAFF : Walter FYVIE
DATE OF BIRTH : 18.05.1976
NATIONALITY : South African
YEARS OF EXPERIENCE : 15

SUMMARY OF QUALIFICATIONS:

A professional environmental consultant with 15 years of experience, Walter Fyvie specialises in many different areas of environmental management, including Environmental Impact Assessments (EIAs) for large developments including renewable energy projects, and Environmental Auditing. His auditing experience has included industrial compliance audits, and construction projects in the role of Environmental Control Officer (ECO). He also consults in waste management. He has international experience as an environmental consultant, having worked in the UK for two years. With a technical background in zoology, biochemistry, biotechnology and environmental management, he appreciates the scientific, engineering and biological requirements of environmental projects. He currently manages GIBB's environmental team in Port Elizabeth.

His key experience includes:

- Environmental Auditing, including compliance audits of waste disposal facilities, health care risk waste (HCRW) treatment facilities, ISO14000 audits, and construction audits as an Environmental Control Officer (ECO) for various infrastructure projects
- Environmental Management Programmes/Plans (EMPr), including the drafting of EMPrs for numerous construction projects including roads, railways, residential estates, commercial and retail developments, and renewable energy projects including wind farms
- Environmental Impact Assessments (EIAs), including Basic Assessments, scoping studies, full Environmental Impact Assessments, public participation and coordination of large specialist teams. He has been involved with in excess of 50 assessments projects including large residential estate projects, wind farm projects in the Western Cape, and high-rise mixed use developments in London (UK)
- Waste Management Planning including waste stream surveys, waste characterisation studies and recycling initiatives. He has drafted a number of Integrated Waste Management Plans (IWMPs) at local municipal and provincial level and has provided training courses on waste management on behalf of the Institute of Waste Management South Africa (IWMSA)
- Project Management. Walter is an associate at GIBB and has 12 years of experience as project leader on the above projects, where he has been responsible for all project aspects including technical requirements, financial and programme control, and client liaison

EDUCATION:

<i>Institution:</i>	<i>Qualification:</i>	<i>Year Obtained:</i>
Rhodes University, Grahamstown, South Africa	Master of Science (Environmental Biotechnology)	2001
University of Port Elizabeth, South Africa	Bachelor of Science (Honours) Biochemistry	1997
University of Port Elizabeth, South Africa	Bachelor of Science (Zoology and Biochemistry)	1996

From:	2001	To:	2001
Employer:			Rhodes University
Position held:			Assistant Course Co-Ordinator (MSc Environmental Biotechnology)
From:	1999	To:	1999
Employer:			Chris Mulder & Associates
Position held:			Temporary warden of Thesen Island, Knysna. Ornithological species census and behavioural studies
From:	1999	To:	1999
Employer:			Mala-Mala Game Reserve (Sabi-Sands, Mpumalanga, RSA)
Position held:			Game Guide
From:	1998	To:	1999
Employer:			University of Cape Town
Position held:			Bibliographer for Roberts Birds of Southern Africa, 7 th edition
From:	1998	To:	1998
Employer:			Timbavati Wilderness Trails (Mpumalanga, RSA)
Position held:			Game Guide

ENVIRONMENTAL CONTROL OFFICER (ECO)

NAME OF ASSIGNMENT/PROJECT: ENVIRONMENTAL CONTROL OFFICER SERVICES FOR R61 SECTION 3 ROAD UPGRADE BETWEEN CRADOCK AND TARKASTAD

YEAR: From: 2015 To: Ongoing

LOCATION: Cradock, South Africa

CLIENT: WorleyParsons Consulting Engineers

MAIN PROJECT FEATURES: The special maintenance of 26.6 km of the R61 Section 3 between Cradock and Tarkastad. The extension of three bridges and three culverts, construction of stormwater drains, establishment of a hard quarry

POSITIONS HELD: Project Leader

ACTIVITIES PERFORMED: Project management and overseeing the ECO, including report review and quality control

NAME OF ASSIGNMENT/PROJECT: ENVIRONMENTAL CONTROL OFFICER SERVICES FOR MOTHERWELL NU 30 CIVIL SERVICES FOR HOUSING DEVELOPMENTS

YEAR: From: 2014 To: Ongoing

LOCATION: Port Elizabeth, South Africa

CLIENT: Izizwe Consulting Engineers

MAIN PROJECT FEATURES: The provision civil service infrastructure including bulk stormwater, stormwater detention ponds, drains, water pipelines, service connection points and access roads for Motherwell NU 30 housing development

POSITIONS HELD: Project Leader

ACTIVITIES PERFORMED: Project management and overseeing the ECO, including report review and quality control

NAME OF ASSIGNMENT/PROJECT: ENVIRONMENTAL CONTROL OFFICER SERVICES FOR SILVERTOWN CIVIL SERVICES FOR HOUSING DEVELOPMENTS

YEAR: From: 2014 To: Ongoing

LOCATION: Port Elizabeth, South Africa

CLIENT: KCS Consulting Engineers
 MAIN PROJECT FEATURES: The provision civil service infrastructure including bulk stormwater drains, sewer pipelines, water pipelines, service connection points and access roads for MK Silvertown housing development on erf 6837
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Project management and overseeing the ECO, including report review and quality control

NAME OF ASSIGNMENT/PROJECT: **VALENCIA ROADS AND STORMWATER ENVIRONMENTAL CONTROL OFFICER**
 YEAR: From: 2014 To: Ongoing
 LOCATION: Addo, Valencia, South Africa
 CLIENT: LA Consulting Engineers
 MAIN PROJECT FEATURES: The provision civil service infrastructure including bulk stormwater drains, stormwater detention ponds, water pipelines and access roads In Valencia Township
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SERVICES FOR SARAH BAARTMAN MEMORIAL CENTRE**
 YEAR: From: 2014 To: Ongoing
 LOCATION: Hankey, Eastern Cape, South Africa
 CLIENT: Lukhozi Consulting Engineers
 MAIN PROJECT FEATURES: Monthly environmental compliance audits
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits

NAME OF ASSIGNMENT/PROJECT: **N10 SECTION 3: RIET RIVER BRIDGE TO TARKA BRIDGE ROAD UPGRADE ECO**
 YEAR: From: 2013 To: Ongoing
 LOCATION: Cradock, Gauteng, South Africa
 CLIENT: WorleyParsons (RSA)
 MAIN PROJECT FEATURES: The upgrading of 23.3 km of the N10 Section 3 between Riet River Bridge and Tarka River Bridge, including the establishment of two borrow pits and hard quarry mining
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SERVICES FOR THE CONSTRUCTION OF THE BATHURST RESERVOIR**
 YEAR: From: June 2015 To: 2016
 LOCATION: Bathurst, Ndlambe Local Municipality, Eastern Cape, South Africa
 CLIENT: Bathurst Local Municipality
 MAIN PROJECT FEATURES: Monthly compliance audits against the condition of the environmental authorisation and environmental management programme
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Project leader and report reviewer

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SERVICES FOR THE MELKHOUT TO DIEPRIVIER 132 KV POWERLINE**
 YEAR: From: September 2015 To: February 2016

LOCATION: Humansdorp, Eastern Cape, South Africa
CLIENT: Eskom
MAIN PROJECT FEATURES: Monthly compliance audits against the condition of the environmental authorisation and environmental management programme
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Project leader and report reviewer

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SERVICES FOR KWANOBUHLE AREA 11 BULK WATER PIPELINE**
YEAR: From: June 2015 To: February 2016
LOCATION: Kwanobuhle, Nelson Mandela Bay Municipality, Eastern Cape, South Africa
CLIENT: Lukhozi Consulting Engineers
MAIN PROJECT FEATURES: Monthly compliance audits against the condition of the environmental authorisation and environmental management programme.
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Project leader and report reviewer

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SERVICES FOR MIXED USE HOUSING DEVELOPMENT IN KWANOBUHLE AREA 11**
YEAR: From: 2014 To: 2015
LOCATION: Port Elizabeth, Eastern Cape, South Africa
CLIENT: Lukhozi Consulting Engineers
MAIN PROJECT FEATURES: Monthly environmental compliance audits
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits and review of environmental method statements

NAME OF ASSIGNMENT/PROJECT: **N10 SECTION 6: PENHOEK PASS ROAD UPGRADE ENVIRONMENTAL CONTROL OFFICER**
YEAR: From: 2014 To: 2015
LOCATION: Queenstown, Eastern Cape, South Africa
CLIENT: WorleyParsons (RSA)
MAIN PROJECT FEATURES: The upgrading of the N6 Section 4 between Queenstown and Jamestown including Penhoek Pass. The construction of stormwater drains, borrow pit and hard quarry mining and culvert extensions
POSITIONS HELD: **Project leader**
ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits.

NAME OF ASSIGNMENT/PROJECT: **N10 SECTION 4: CRADOCK TO KNUTSFORD ROAD UPGRADE ENVIRONMENTAL CONTROL OFFICER**
YEAR: From: 2013 To: 2015
LOCATION: Cradock, South Africa
CLIENT: Mott Macdonald PD Naidoo Consulting Engineers
MAIN PROJECT FEATURES: The upgrading of the N4 from Cradock to the Knutsford turnoff. The construction of an agricultural underpass, deviation roads and culvert extensions borrow pit mining and heritage site protection
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Overseeing ECO who undertook monthly environmental control officer audits

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICERS SERVICES FOR CONSTRUCTION OF BULK SEWERAGE NETWORK FOR COEGA DEVELOPMENT CORPORATION**

YEAR: From: 2013 To: 2015

LOCATION: Port Elizabeth, South Africa

CLIENT: Matrix Consulting Engineers, on behalf of the Coega Development Corporation

MAIN PROJECT FEATURES: Construction of a bulk sewerage reticulation system in the eastern zones of the IDZ. Includes: two collector sewers, the rising main, and gravity mains

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Project management and overseeing the ECO, including report review and quality control

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER (ECO): JOHN TALLANT ROAD UPGRADE**

YEAR: From: 2013 To: 2014

LOCATION: Port Elizabeth, Eastern Cape, South Africa

CLIENT: Nelson Mandela Bay Municipality

MAIN PROJECT FEATURES: Environmental Control Officer for the upgrade and rehabilitation of the John Tallant/Grahamstown Rd interchange, including wetland reclamation. Included Water Use License application, for culvert extensions, and a Basic Assessment for culvert works

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Project management, client liaison, management of the on-site ECO, and review of audit reports

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER (ECO) : REHABILITATION OF WESTBEACH ROAD, PORT ALFRED**

YEAR: From: 2013 To: 2013

LOCATION: Port Alfred, Eastern Cape, South Africa

CLIENT: Nelson Mandela Bay Municipality

MAIN PROJECT FEATURES: Environmental Control Officer for the rehabilitation of the Westbeach Road which was washed away during a flood event

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: All project management, client liaison, management of the on-site ECO, and review of audit reports

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER: BULK SEWAGE SERVICES, COEGA IDZ**

YEAR: From: 2013 To: 2014

LOCATION: Port Elizabeth, Eastern Cape, South Africa

CLIENT: The Matrix Consulting Engineers (on behalf of the Coega Development Corporation)

MAIN PROJECT FEATURES: Environmental Control Officer for the construction of bulk sewage pipelines within the Coega IDZ

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Project management, client liaison, management of the on-site ECO, and review of audit reports

NAME OF ASSIGNMENT/PROJECT: **QUMBU TO UGIE 132 KV OVERHEAD POWERLINE ECO**

YEAR: From: 2006 To: 2007

LOCATION: Qumbu, Eastern Cape, South Africa

CLIENT: Eskom Distribution, Southern Region

MAIN PROJECT FEATURES: Construction of a 60 km long, 123 kV overhead powerline

POSITIONS HELD: **Project leader and Environmental Control Officer**
 ACTIVITIES PERFORMED: Undertaking of construction environmental compliance audits, reporting and client liaison

NAME OF ASSIGNMENT/PROJECT: **MOUNT FRERE (EXT 7) & MOUNT AYLIFF (EXT 5) HOUSING SCHEME AUDITS**
 YEAR: From: 2006 To: 2006
 LOCATION: Mount Frere & Mount Ayliff, Eastern Cape, South Africa
 CLIENT: Umzimvubu Local Municipality
 MAIN PROJECT FEATURES: Environmental performance audit of two partially completed Rural Development Programme (RDP) Housing Schemes
 POSITIONS HELD: **Project Leader and Lead Auditor**
 ACTIVITIES PERFORMED: All client liaison, auditing and reporting

NAME OF ASSIGNMENT/PROJECT: **ENVIRONMENTAL CONTROL OFFICER SINATI GOLF ESTATE**
 YEAR: From: 2009 To: 2009
 LOCATION: East London, South Africa
 CLIENT: Billion Group
 MAIN PROJECT FEATURES: Environmental Control Officer (ECO) for the construction of a proposed estate consisting of an 18 hole golf course an 700 residential erven. Project was not completed due to financial constraints
 POSITIONS HELD: **Environmental Control Office**
 ACTIVITIES PERFORMED: Site inspections, formal environmental audits, reporting and client liaison

ENVIRONMENTAL AND WASTE AUDITING

NAME OF ASSIGNMENT/PROJECT: **ASTRAPAK ENVIRONMENTAL DUE DILIGENCE AUDITS**
 YEAR: From: January 2016 To: March 2016
 LOCATION: Cape Town, South Africa
 CLIENT: Atkins
 MAIN PROJECT FEATURES: Waste compliance audit of General Motors PDC waste yard against the waste license
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Leader auditor and report reviewer

NAME OF ASSIGNMENT/PROJECT: **GENERAL MOTORS PDC WASTE YARD COMPLIANCE AUDIT**
 YEAR: From: May 2015 To: June 2015
 LOCATION: Port Elizabeth, Eastern Cape, South Africa
 CLIENT: General Motors South Africa
 MAIN PROJECT FEATURES: Waste compliance audit of General Motors PDC waste yard against the waste license
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Leader auditor and report reviewer

NAME OF ASSIGNMENT/PROJECT: **GENERAL MOTORS VDC WASTE YARD COMPLIANCE AUDIT**
 YEAR: From: August 2015 To: September 2015
 LOCATION: Port Elizabeth, Eastern Cape, South Africa
 CLIENT: General Motors South Africa
 MAIN PROJECT FEATURES: Waste compliance audit of General Motors VDC waste yard against requirements of the National Norms and Standards for the Storage of Waste
 POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Leader auditor and report reviewer

NAME OF ASSIGNMENT/PROJECT: **TRANSNET NATIONAL PORTS AUTHORITY WASTE COMPLIANCE AUDIT**
 YEAR: From: 2014 To: 2014
 LOCATION: Port Elizabeth, Eastern Cape, South Africa
 CLIENT: Transnet National Ports Authority
 MAIN PROJECT FEATURES: Auditing compliance of waste management activities at Port Elizabeth Port and the Port of Ngqura to international, national and local legislation, Transnet's national waste strategy and waste management plan
 POSITIONS HELD: **Environmental Auditor**
 ACTIVITIES PERFORMED: Waste compliance audit and drafting of audit report

NAME OF ASSIGNMENT/PROJECT: **CACADU LANDFILL SITE AUDITS**
 YEAR: From: 2013 To: 2014
 LOCATION: Eastern Cape, South Africa
 CLIENT: Cacadu District Municipality
 MAIN PROJECT FEATURES: Audits of landfill sites
 POSITIONS HELD: **Environmental Auditor**
 ACTIVITIES PERFORMED: Audits of numerous landfill sites in the district municipality to determine which are suitable for permitting

NAME OF ASSIGNMENT/PROJECT: **COMPLIANCE AUDITS FOR SOLID WASTE TECHNOLOGIES SOUTH AFRICA**
 YEAR: From: 2010 To: 2012
 LOCATION: City Deep, Johannesburg, South Africa
 CLIENT: Solid Waste Technologies South Africa (SWTSA)
 MAIN PROJECT FEATURES: A number of annual compliance audits in terms of the National Environmental Management Act (Act 107 of 1998), Environment Conservation Act (Act 73 of 1989), and Gauteng Health Care Waste Management Regulations (2004) (Transportation of HCRW) authorisations for a Health Care Risk Waste (HCRW) electro-thermal deactivation plant
 POSITIONS HELD: **Project leader and Lead Auditor**
 ACTIVITIES PERFORMED: All project management, auditing (lead auditor) and reporting

NAME OF ASSIGNMENT/PROJECT: **WISBECH FLOOD ALLEVIATION SCHEME (UK)**
 YEAR: From: 2008 To: 2009
 LOCATION: Wisbech, Norfolk, United Kingdom
 CLIENT: Environment Agency
 MAIN PROJECT FEATURES: Flood defence scheme on the River Nene. Defences (sheet piling) was installed along a 3 km section
 POSITIONS HELD: **Environmental Advisor**
 ACTIVITIES PERFORMED: Providing environmental advice and guidance to the project team and auditing compliance with the Environmental Specifications and Environment Agency requirements

ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS) AND ISO 14000

NAME OF ASSIGNMENT/PROJECT: **SUN INTERNATIONAL ENVIRONMENTAL MANAGEMENT SYSTEMS AND ISO 14000 AUDITS**
 YEAR: From: 2014 To: 2015
 LOCATION: Various resorts throughout South Africa
 CLIENT: Sun International

MAIN PROJECT FEATURES: Review of compliance with ISO 14001 standard and the development of a detailed aspects and impacts register. Undertaken for numerous resort sites throughout South Africa including Sun City.

POSITIONS HELD: **Environmental Auditor**

ACTIVITIES PERFORMED: Documentation review and audit against the ISO 14000 standard. Development of aspects and impacts registers and drafting of gap analysis report

NAME OF ASSIGNMENT/PROJECT: **ESKOM ISO 14001 PRE-CERTIFICATION AUDITS**

YEAR: From: 2010 To: 2010

LOCATION: Grootvlei and Arnot, Mpumalanga, South Africa

CLIENT: Eskom Generation

MAIN PROJECT FEATURES: 14001 Pre-certification audits for two coal power stations (Grootvlei and Arnot)

POSITIONS HELD: **Training Auditor**

ACTIVITIES PERFORMED: Three (3) days on-site work, including reviewing Environmental Management System (EMS) documentation, site checks and interviews with personal

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) EXPERIENCE

NAME OF ASSIGNMENT/PROJECT: **COCT STORMWATER MAINTENANCE ACTIVITIES (BASIC ASSESSMENT)**

YEAR: From: 2011 To: Ongoing

LOCATION: Cape Town, South Africa

CLIENT: City of Cape Town (Catchment, Stormwater & River Management Branch)

MAIN PROJECT FEATURES: An expanded Basic Assessment for the authorisation of all routine management activities undertaken by City of Cape Town on all stormwater facilities (including wetlands, canals, rivers, and ponds) within their jurisdiction. Included a total of ~7,000 waterbodies and 1,200 km of rivers. The Basic Assessment included a matrix approach to understanding all the activities (in excess of 10 activities) and their likely impacts. It also included specialist input from a botanist and aquatic ecologist and included the drafting of a detailed EMP and standard operating procedures. An amendment process was subsequently undertaken to allow works in estuaries.

POSITIONS HELD: **Project Leader and Environmental Assessment Practitioner (EAP)**

ACTIVITIES PERFORMED: Client liaison, financial and programme management, specialist coordination, assessments and report writing

NAME OF ASSIGNMENT/PROJECT: **THORNHILL BULK WATER SUPPLY WATER USE LICENCE**

YEAR: From: 2014 To: 2016

LOCATION: Mthatha, Eastern Cape, South Africa

CLIENT: Amathola Water

MAIN PROJECT FEATURES: Environmental Impact Assessment (Basic Assessments) for five bulk pipeline routes for the regional bulk water supply for the regions of Mthatha, Libode, Mqanduli, Nqadu and Ngqeleni

POSITIONS HELD: **EIA Manager**

ACTIVITIES PERFORMED: Overseeing and coordinating the four different Environmental Impact Assessment practitioners who undertook these assessments

NAME OF ASSIGNMENT/PROJECT: **CONTERMANSKLOOF RESERVOIR ENVIRONMENTAL AUTHORISATION AMENDMENT APPLICATION**

YEAR: From: 2014 To: 2015

LOCATION: Durbanville, Western Cape, South Africa

CLIENT: City of Cape Town
 MAIN PROJECT FEATURES: Environmental authorization amendment application for the development of a potable water bulk storage reservoir
 POSITIONS HELD: Project Leader and Environmental Scientist
 ACTIVITIES PERFORMED: Technical lead including reporting and quality control.

NAME OF ASSIGNMENT/PROJECT: SECTION 24G APPLICATION FOR RUIGTEVALLEI – DREUNBERG 132 KV OVERHEAD POWERLINE
 YEAR: From: 2013 To: 2014
 LOCATION: Eastern Cape, South Africa
 CLIENT: Eskom
 MAIN PROJECT FEATURES: Environmental authorization for 132 kV powerline from Ruigtevallei to Dreunberg
 POSITIONS HELD: Project leader and Environmental Scientist
 ACTIVITIES PERFORMED:

- Project management and client liaison
- Technical input into Section 24G process;
- Report review and quality control

NAME OF ASSIGNMENT/PROJECT: LANGHOOGTE WIND FARM (SCOPING AND EIA)
 YEAR: From: 2011 To: 2013
 LOCATION: Botrivier, Overberg, Western Cape, South Africa
 CLIENT: SAGIT Energy Ventures
 MAIN PROJECT FEATURES: A Scoping and EIA process for the development of a 45 turbine wind farm. Specialist assessments included ecology, wetlands, avifauna, noise, palaeontology, archaeology, visual, social, economics, and agricultural impacts
 POSITIONS HELD: Project Leader and EAP
 ACTIVITIES PERFORMED: Responsible for all aspects of the project including client liaison, programme and financial control, coordination of EIA team and specialists, managing the Public Participation Process (PPP) and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: WOLSELEY WIND FARM (SCOPING AND EIA)
 YEAR: From: 2001 To: 2013
 LOCATION: Wolseley, Western Cape, South Africa
 CLIENT: SAGIT Energy Ventures
 MAIN PROJECT FEATURES: A Scoping and EIA process for the development of a 30 turbine wind farm. Specialist assessments included ecology, wetlands, avifauna, noise, palaeontology, archaeology, visual, social, economics, and agricultural impacts
 POSITIONS HELD: Project Leader and EAP
 ACTIVITIES PERFORMED: Responsible for all aspects of the project including client liaison, programme and financial control, coordination of EIA team and specialists, managing the Public Participation Process (PPP) and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: BASIC ASSESSMENTS FOR THE INSTALLATION OF 132 KV POWERLINES FROM MELKHOUT TO DIEPRIVIER, DIEPRIVIER TO KAREEDOUW, AND MELKHOUT TO PATENSIE
 YEAR: From: 2011 To: 2013
 LOCATION: Humansdorp, Patensie, Kareedouw, Eastern Cape, South Africa
 CLIENT: ESKOM
 MAIN PROJECT FEATURES: Three applications for the construction of 99 km of 132kv overhead powerline, two new sub-stations (Patensie and Dieprivier) and an extension to the Melkhout Sub-station. Specialist investigations included Avifauna Assessment,

POSITIONS HELD: Heritage Impact Assessment and Vegetation Assessment
Project leader and Environmental Scientist
ACTIVITIES PERFORMED: All project management, managing the EIA team and report review.

NAME OF ASSIGNMENT/PROJECT: **ALICEDALE STORMWATER UPGRADE (BASIC ASSESSMENT)**
YEAR: From: 2011 To: 2013
LOCATION: Alicedale, Eastern Cape, South Africa
CLIENT: Masuku, Dube, Tifflin (MDT) on behalf of Makana Local Municipality
MAIN PROJECT FEATURES: Basic Assessment for the upgrade and construction of stormwater facilities (within 32 m of a watercourse) associated with road upgrades in township extension in Alicedale
POSITIONS HELD: **Project Leader and EAP**
ACTIVITIES PERFORMED: Client liaison, programme and financial control, review and quality control

NAME OF ASSIGNMENT/PROJECT: **MOUNT ROAD SOCIAL HOUSING EIA (BASIC ASSESSMENT)**
YEAR: From: 2010 To: 2012
LOCATION: Port Elizabeth, South Africa
CLIENT: Nelson Mandela Bay Municipality
MAIN PROJECT FEATURES: Assessment for the rezoning of two erven of Public Open Space for the development of 502 Social Housing Units in a residential neighbourhood. Specialist studies included a Social Impact Assessment, Heritage Impact Assessment, Traffic Impact Assessment, and Geological review. A controversial project with a significant PPP
POSITIONS HELD: **Project Leader and Environmental Assessment Practitioner**
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, coordination of specialists, managing the Public Participation Process (PPP) and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **SIPHAKENI TELECOMMUNICATIONS MAST EIA (BASIC ASSESSMENT)**
YEAR: From: 2009 To: 2009
LOCATION: Flagstaff, Eastern Cape, South Africa
CLIENT: Eskom Distribution
MAIN PROJECT FEATURES: Basic Assessment for the construction of a telecommunications mast at the Siphakeni sub-station
POSITIONS HELD: **Project Leader and Environmental Assessment Practitioner**
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **RIVER WENSUM RESTORATION PROJECT (UK)**
YEAR: From: 2008 To: 2009
LOCATION: Norfolk, England, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: A member of the professional team tasked with devising restoration proposals for various reaches of the River Wensum in Norfolk, England. Restoration of the entire river SSSI (Site of Special Scientific Interest) (71km) was being considered, the first of its kind in the UK
POSITIONS HELD: **EIA Practitioner**
ACTIVITIES PERFORMED: Responsible for drafting Pre-feasibility reports and managing the Environmental Impact Assessments aspects of the project as well as providing input into the MCA (Multi-criteria analysis) process for determining suitable restoration measures

NAME OF ASSIGNMENT/PROJECT: **LEEDS FLOOD ALLEVIATION SCHEME EIA (UK)**
YEAR: From: 2008 To: 2009
LOCATION: Leeds, England, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: Planning flood defences on the River Aire through the centre of the city of Leeds, UK
POSITIONS HELD: **Environmental Advisor**
ACTIVITIES PERFORMED: Advisor to the engineering and planning team in the early stages of defining the engineering proposal. Responsibilities included reviewing the Scoping Consultation Report, and providing environmental input as required

NAME OF ASSIGNMENT/PROJECT: **HAILEY ROAD DRAIN PRE-FEASIBILITY ASSESSMENT (UK)**
YEAR: From: 2008 To: 2008
LOCATION: Witney, Oxfordshire, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: Pre-feasibility environmental assessment of the implication of constructing flood retention dams in the local catchment of the Hailey Road Drain, a drain flowing through a residential area of Witney
POSITIONS HELD: **Project Scientist**
ACTIVITIES PERFORMED: All technical input, including field assessment and reporting

NAME OF ASSIGNMENT/PROJECT: **HAGGERSTON WEST AND KINGSLAND RESIDENTIAL EIA (UK)**
YEAR: From: 2007 To: 2008
LOCATION: London, England, UK
CLIENT: London and Quadrant Housing Association
MAIN PROJECT FEATURES: A proposed regeneration project involving the construction of 750 residential units in Hackney, London, UK. The Environmental Statement (ES) accompanied the outline planning application for the development
POSITIONS HELD: **EIA Project Manager**
ACTIVITIES PERFORMED: Technical lead responsible for managing the EIA and drafting of all reports

NAME OF ASSIGNMENT/PROJECT: **RIVER LEE CROWN WHARF EIA (UK)**
YEAR: From: 2007 To: 2008
LOCATION: London, England, United Kingdom
CLIENT: Moonberry Properties
MAIN PROJECT FEATURES: A four-tower residential development (900 residential units and limited commercial) on the banks of the River Lee near Canning Town, London, UK. The Environmental Statement was to accompany a hybrid planning application for the development. Not completed
POSITIONS HELD: **EIA Project Manager**
ACTIVITIES PERFORMED: EIA Project Manager responsible for specialist study coordination and reporting

NAME OF ASSIGNMENT/PROJECT: **UPTON PARK QUEENS MARKET DEVELOPMENT EIA (UK)**
YEAR: From: 2007 To: 2008
LOCATION: London, England, UK
CLIENT: St Modwen Properties
MAIN PROJECT FEATURES: A number of specialist studies undertaken to inform the EIA for the Queens Market development, a mixed use refurbishment project involving the

reconstruction of Queens Market in Upton Park, Newham, London. The development included the expansion of the market and the construction of 352 residential units

POSITIONS HELD: **Specialist Studies Coordinator**

ACTIVITIES PERFORMED: Coordinator of specialist studies

NAME OF ASSIGNMENT/PROJECT: **CITY PRIDE DEVELOPMENT EIA (UK)**

YEAR: From: 2008 To: 2008

LOCATION: London, England, United Kingdom

CLIENT: Glenkerrin

MAIN PROJECT FEATURES: EIA for a multi-storey tower development (approx. 60 storeys) on Isle of Dogs, London, UK. The tower was to include largely residential units (410) and a luxury hotel. The Environmental Statement was to accompany a detailed planning application. Not completed

POSITIONS HELD: **EIA Project Manager**

ACTIVITIES PERFORMED: EIA Project Manager responsible for specialist study coordination and reporting

NAME OF ASSIGNMENT/PROJECT: **STATION HILL COMMERCIAL MIXED USE DEVELOPMENT (UK)**

YEAR: From: 2008 To: 2008

LOCATION: Redding, United Kingdom

CLIENT: Sackville Development

MAIN PROJECT FEATURES: EIA for Station Hill Reading, a commercial led mixed use development in Reading, UK

POSITIONS HELD: **Project Scientist**

ACTIVITIES PERFORMED: Responsible for compiling the responses to Regulation 19 requests (formal requests by the local planning authority for further environmental information) for the EIA

NAME OF ASSIGNMENT/PROJECT: **ZIMBANE-MAFINI 66 KV POWERLINE (BASIC ASSESSMENT)**

YEAR: From: 2006 To: 2007

LOCATION: Mthatha to Lusikisiki, Eastern Cape, South Africa

CLIENT: Eskom Distribution, Southern Region

MAIN PROJECT FEATURES: An environmental assessment and EMPr for the construction of a 60 km long 66 kV powerline from Lusikisiki to Mthatha

POSITIONS HELD: **EIA Project Leader**

ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **TSWANA 66 KV POWERLINE AND SUBSTATION (BASIC ASSESSMENT)**

YEAR: From: 2006 To: 2007

LOCATION: Queenstown to Tarkastad, Eastern Cape, South Africa

CLIENT: Eskom Distribution, Southern Region

MAIN PROJECT FEATURES: Construction of a substation and 70 km long 66 kV powerline from Queenstown to Tarkastad

POSITIONS HELD: **EIA Project Leader**

ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **HEMMINGWAYS SHOPPING MALL (EIA SCOPING STUDY)**

YEAR: From: 2006 To: 2006
LOCATION: East London, Eastern Cape, South Africa
CLIENT: The Billion Group
MAIN PROJECT FEATURES: Environmental Scoping study for the rezoning of two land parcels for the development of a regional shopping mall. Project included permit applications in terms of the National Forest Act for the destruction of forest
POSITIONS HELD: Project Leader
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: QUMBU – UGIE 132 KV POWERLINE (EIA SCOPING REPORT AND EMPR)
YEAR: From: 2005 To: 2006
LOCATION: Qumbu to Ugie, Eastern Cape, South Africa
CLIENT: Eskom Distribution, Southern Region
MAIN PROJECT FEATURES: Environmental scoping process and EMPr for the construction of a 60 km long, 132 kV overhead powerline from Qumbu to Ugie in the former Transkei
POSITIONS HELD: Project Leader
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: NZENYANE 22 KV POWERLINE (EIA SCOPING AND EMPR)
YEAR: From: 2005 To: 2005
LOCATION: Ngqeleni area, Nyandeni Municipality, South Africa
CLIENT: Sektor Engineering
MAIN PROJECT FEATURES: Environmental scoping process and EMPr for the construction of a 6 km long, 22 kV overhead powerline
POSITIONS HELD: Project Leader
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: GQUNUBE VALLEY ECO GOLF RESORT: OFF SITE SERVICES EIA (SCOPING AND EMPR)
YEAR: From: 2005 To: 2007
LOCATION: East London, Eastern Cape, South Africa
CLIENT: The Billion Group
MAIN PROJECT FEATURES: Environmental Scoping study for the construction of two bulk water pipelines (approximately 15 km in length) to supply domestic and irrigation water to the Gqunube Valley Eco Golf Resort
POSITIONS HELD: Project Leader
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: GQUNUBE VALLEY ECO GOLF RESORT (SCOPING AND EIR)
YEAR: From: 2005 To: 2007
LOCATION: East London, Eastern Cape, South Africa
CLIENT: The Billion Group
MAIN PROJECT FEATURES: Environmental Scoping study and full EIR for development of an 18-hole golf course and 779 erven estate near Gonubie, East London
POSITIONS HELD: Project Leader
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **HOGSBACK 3.3KV POWERLINE EIA**
YEAR: From: 2004 To: 2006
LOCATION: Hogsback, Eastern Cape, South Africa
CLIENT: Eskom Distribution, Sothern Region
MAIN PROJECT FEATURES: Route selection, environmental scoping process and EMP for the development of a 3.3 kV underground powerline in Hogsback
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All aspects including project management, assessments and reporting

NAME OF ASSIGNMENT/PROJECT: **ERF 2370 TOWNHOUSE DEVELOPMENT, AMALINDA**
YEAR: From: 2005 To: 2005
LOCATION: East London, Eastern Cape, South Africa
CLIENT: Kebeni Properties
MAIN PROJECT FEATURES: Environmental screening exercise identifying site environmental constraints and authorisation requirements for a proposed townhouse development
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All aspects including project management, assessments and reporting

NAME OF ASSIGNMENT/PROJECT: **KUBUSIE 11 KV POWERLINE EIA**
YEAR: From: 2004 To: 2005
LOCATION: Keiskammahoek, Eastern Cape, South Africa
CLIENT: Eskom Distribution, Sothern Region
MAIN PROJECT FEATURES: Environmental Scoping process and EMP for the construction of an 11 kV overhead powerline near in the Kubusie area
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All aspects of the project including client liaison, programme and financial control, and drafting assessment reports

NAME OF ASSIGNMENT/PROJECT: **SIPHAKWENI SUBSTATION EIA**
YEAR: From: 2004 To: 2005
LOCATION: Flagstaff, Eastern Cape, South Africa
CLIENT: Eskom Distribution, Sothern Region
MAIN PROJECT FEATURES: Environmental scoping process and EMP for the construction of a substation near Flagstaff
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All aspects including project management, assessments and reporting

NAME OF ASSIGNMENT/PROJECT: **DUMASI-ZIMBANE 132 KV POWERLINE EIA**
YEAR: From: 2004 To: 2004
LOCATION: Lusikisiki to Mthatha, Eastern Cape, South Africa
CLIENT: Eskom Distribution, Sothern Region
MAIN PROJECT FEATURES: Environmental scoping process and EMP for the construction of a 90 km long 132 kV powerline from Lusikisiki to Mthatha
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All aspects including project management, assessments and reporting

NAME OF ASSIGNMENT/PROJECT: **TYHEFU IRRIGATION SCHEME PHASE 2**
YEAR: From: 2003 To: 2003

LOCATION: Tyhefu, Eastern Cape, South Africa
 CLIENT: Eastern Cape Department of Agriculture
 MAIN PROJECT FEATURES: Mining license application and EMPR for two borrow pits
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Technical assessment, reporting and authority liaison

NAME OF ASSIGNMENT/PROJECT: **TYHEFU IRRIGATION SCHEME PHASE 2 EIA**
 YEAR: From: 2003 To: 2003
 LOCATION: Tyhefu, Eastern Cape, South Africa
 CLIENT: Department of Agriculture, Eastern Cape
 MAIN PROJECT FEATURES: Extended Environmental Scoping Report, EMP and ECO role for the construction of a 6 km long bulk irrigation line in the Fish River Valley, Eastern Cape
 POSITIONS HELD: **Project Leader and Scientist**
 ACTIVITIES PERFORMED: Responsible for all aspects including field, public participation, reporting and Environmental Control Officer

NAME OF ASSIGNMENT/PROJECT: **RABULA WATER SUPPLY SCHEME**
 YEAR: From: 2002 To: 2002
 LOCATION: Keiskammahoek, Eastern Cape, South Africa
 CLIENT: Amatole District Municipality
 MAIN PROJECT FEATURES: Construction of a bulk potable water supply scheme to surrounding rural areas
 POSITIONS HELD: **Public Participation Manager**
 ACTIVITIES PERFORMED: Responsible for planning and chairing public meetings and reporting of the PPP process

WASTE MANAGEMENT PLANNING AND LICENSING

NAME OF ASSIGNMENT/PROJECT: **DR RUTH S MOMPATI DISTRICT MUNICIPALITY IWMP**
 YEAR: From: 2015 To: 2016
 LOCATION: North West Province, South Africa
 CLIENT: Dr Ruth S Mompati District Municipality
 MAIN PROJECT FEATURES: Development of a series of 5 IWMPs for the local municipalities with in the Dr Ruth S Mompati District
 POSITIONS HELD: **Technical leader**
 ACTIVITIES PERFORMED: Client liaison, technical planning, report drafting and quality review of all products

NAME OF ASSIGNMENT/PROJECT: **LEPELLE-NKUMP MUNICIPALITY IWMP**
 YEAR: From: 2015 To: Present
 LOCATION: Limpopo province, South Africa
 CLIENT: Lepelle-nkumpi Municipality
 MAIN PROJECT FEATURES: Development of an IWMP for the local municipality
 POSITIONS HELD: **Technical Leader**
 ACTIVITIES PERFORMED: Client liaison, technical planning, report drafting and quality review of all products

NAME OF ASSIGNMENT/PROJECT: **NELSON MANDELA BAY MUNICIPALITY DROP-OFF CENTRE MASTER PLAN**
 YEAR: From: April 2015 To: Present
 LOCATION: Port Elizabeth, Eastern Cape, South Africa
 CLIENT: Coega Development Corporation

MAIN PROJECT FEATURES: Development of a master plan for waste drop-off centres for the Nelson Mandela Bay Municipality

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: All project conceptualisation, project management, client liaison, coordinating team, identification of sites, drafting and reviewing reports, stakeholder engagement

NAME OF ASSIGNMENT/PROJECT: **NELSON MANDELA BAY MUNICIPALITY : THREE YEAR FRAMEWORK APPOINTMENT AS WASTE CONSULTANTS**

YEAR: From: 2015 To: Present

LOCATION: Port Elizabeth, Eastern Cape, South Africa

CLIENT: Nelson Mandela Bay Municipality

MAIN PROJECT FEATURES: Appointed as waste consultants to the NMBM's waste management sub-directorate. Tasks included general advisory service, designs for minor engineering works, business plans for funding applications etc

POSITIONS HELD: **Project Leader and Waste Advisor**

ACTIVITIES PERFORMED: All project management tasks and waste advisor

NAME OF ASSIGNMENT/PROJECT: **KRAGGA KAMMA TRANSFER STATION: REGISTRATION IN TERMS OF NORMS AND STANDARDS FOR STORAGE OF WASTE**

YEAR: From: 2014 To: 2015

LOCATION: Port Elizabeth, Eastern Cape, South Africa

CLIENT: BVi Consulting Engineers

MAIN PROJECT FEATURES: Development of an environmental management programme. Monthly environmental control officer audits. Registration of the transfer station in terms of the Norms and Standards for the Storage of Waste

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Overseeing the ECO, document review and authority liaison

NAME OF ASSIGNMENT/PROJECT: **NQUTHU MUNICIPALITY IWMP**

YEAR: From: 2014 To: 2015

LOCATION: Nquthu Local Municipality, KwaZulu-Natal, South Africa

CLIENT: Nquthu Local Municipality

MAIN PROJECT FEATURES: Drafting the first generation integrated waste management plan (IWMP) for the period 2015 – 2019

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: All project conceptualisation, project management, client liaison, coordinating team, and quality control.

NAME OF ASSIGNMENT/PROJECT: **MANDENI MUNICIPALITY IWMP**

YEAR: From: 2014 To: 2015

LOCATION: Mandeni Local Municipality, KwaZulu-Natal, South Africa

CLIENT: Mandeni Local Municipality

MAIN PROJECT FEATURES: Revision of the 2009 IWMP for the period 2015 – 2019. Appointment included a feasibility assessment into the provision of waste collection service to the Isithebe industrial estate

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: All project conceptualisation, project management, client liaison, coordinating team, and quality control

NAME OF ASSIGNMENT/PROJECT: **PHASE 1: FEASIBILITY ASSESSMENT FOR A LANDFILL SITE IN WESTERN REGION OF THE AMATHOLE DISTRICT MUNICIPALITY**

YEAR: From: 2013 To: 2014

LOCATION: Eastern Cape, South Africa

CLIENT: Amathole District Municipality

MAIN PROJECT FEATURES: Feasibility study

POSITIONS HELD: **Project Leader and Environmental Scientist**

ACTIVITIES PERFORMED: Site selection exercise for the establishment of a regional landfill site in the western extent of the district municipality

NAME OF ASSIGNMENT/PROJECT: **INTEGRATED WASTE MANAGEMENT PLAN FOR THE NKONKOBÉ LOCAL MUNICIPALITY**

YEAR: From: 2014 To: 2014

LOCATION: Nkonkobe Local Municipality, Eastern Cape, South Africa

CLIENT: Nkonkobe Local Municipality

MAIN PROJECT FEATURES: Integrated Waste Management Plan

POSITIONS HELD: **Project Leader and Environmental Scientist**

ACTIVITIES PERFORMED: Facility inspections, waste characterisations, review of waste infrastructure, institutional assessment, a public perception survey developing objectives and an implementation plan

NAME OF ASSIGNMENT/PROJECT: **INTEGRATED WASTE MANAGEMENT PLAN (IWMP) FOR THE MHLONTLO MUNICIPALITY**

YEAR: From: 2013 To: 2014

LOCATION: Qumbu, Eastern Cape, South Africa

CLIENT: Mhlontlo Municipality

MAIN PROJECT FEATURES: An IWMP for the Mhlontlo Municipality, which includes the towns of Qumbu and Tsolo in the Eastern Cape, RSA. Included review of waste infrastructure, institutional assessment, developing objectives and an implementation plan

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Responsible for all project management, client liaison, coordinating IWMP team, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **INTEGRATED WASTE MANAGEMENT PLAN (IWMP) FOR THE NELSON MANDELA BAY MUNICIPALITY**

YEAR: From: 2011 To: 2013

LOCATION: Port Elizabeth, Eastern Cape, South Africa

CLIENT: Nelson Mandela Bay Municipality

MAIN PROJECT FEATURES: An IWMP for the NMBM, the local authority (Metro) in the Port Elizabeth area. Included waste characterisations, review of waste infrastructure, institutional assessment, a public perception survey developing objectives and an implementation plan. A detailed Public Participation Process was undertaken in 2016

POSITIONS HELD: **Project Leader**

ACTIVITIES PERFORMED: Responsible for all project management, client liaison, coordinating IWMP team, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **LICENSING OF THE NELSPOORT AND MERWEVILLE LANDFILL SITES**

YEAR: From: 2011 To: 2016

LOCATION: Nelspoort/Merweville, Beaufort West Municipality, Western Cape, South Africa

CLIENT: Beaufort West Municipality
MAIN PROJECT FEATURES: Retrospective Waste License application for the existing Merweville Landfill Site and a Section 24G application for the Nelspoort Landfill. Specialist studies included geohydrological desktop investigations, topographical surveys and engineering designs
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All project management, client liaison, coordinating professional team, field assessments, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **MBHASHE AND MNQUMA MUNICIPALITIES TRANSFER STATION FEASIBILITY STUDY AND LICENSING**
YEAR: From: 2008 To: 2012
LOCATION: Nqamakwe, Centane, Dutywa, and Willowvale, Eastern Cape, South Africa
CLIENT: Amathole District Municipality
MAIN PROJECT FEATURES: Site selection process and feasibility Study for four waste transfer stations the Eastern Cape, RSA. Tasks include geohydrological desktop investigations, conceptual design, licence application in terms of National Environmental Management Waste Act (59 of 2008) and Basic (Environmental) Assessment in terms of National Environmental Management Act (56 of 2002)
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: All project management, client liaison, coordinating professional team, field assessments, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **INTEGRATED WASTE MANAGEMENT PLAN (IWMP) FOR THE EASTERN CAPE PROVINCE**
YEAR: From: 2008 To: 2010
LOCATION: Bhisho, Eastern Cape, South Africa
CLIENT: Department of Economic Development, Environmental Affairs and Tourism
MAIN PROJECT FEATURES: Development of a Provincial IWMP for the Eastern Cape Province. The plan addressed general and hazardous waste management, and included a literature survey, questionnaire survey of local authorities and private industries, and workshops with the project steering committee
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Responsible for coordinating IWMP team, client liaison, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **BUFFALO CITY RECYCLING BUY-BACK CENTRES**
YEAR: From: 2004 To: 2006
LOCATION: East London, Eastern Cape, South Africa
CLIENT: Buffalo City Municipality (BCM)
MAIN PROJECT FEATURES: Planning, commissioning, operation and monitoring of pilot recycling Buy-Back Centres in Buffalo City. A multi-disciplinary project including waste management, environmental assessment, public participation and social management
POSITIONS HELD: **Project Leader**
ACTIVITIES PERFORMED: Responsible for all project management, client liaison, managing professional team, environmental assessments, drafting and reviewing reports

NAME OF ASSIGNMENT/PROJECT: **OR THAMBO DISTRICT MUNICIPALITY WASTE STREAM SURVEY**
YEAR: From: 2003 To: 2004

LOCATION: OR Tambo District, Eastern Cape, South Africa
 CLIENT: OR Tambo District Municipality
 MAIN PROJECT FEATURES: Waste stream characterisation involving physical classification and separation of different waste types within the waste stream
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Responsible for overseeing team of waste separators, collecting data and reporting

NAME OF ASSIGNMENT/PROJECT: **HAZARDOUS WASTE SURVEY FOR BUFFALO CITY MUNICIPALITY**
 YEAR: From: 2002 To: 2002
 LOCATION: East London, Eastern Cape, South Africa
 CLIENT: Buffalo City Municipality (BCM)
 MAIN PROJECT FEATURES: A hazardous waste survey to inform the development of the East London Regional Waste Disposal Site. Included an industry survey and interviews of key industries in the region
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Profiling the regions waste including undertaking interviews, data processing and reporting

NAME OF ASSIGNMENT/PROJECT: **BULK SERVICES FOR UNHATI MKEFA**
 YEAR: From: 2003 To: 2003
 LOCATION: Queenstown, Eastern Cape, South Africa
 CLIENT: Lukhanji Municipality
 MAIN PROJECT FEATURES: Mining license application and EMPR for one borrow pit
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Technical assessment, reporting and authority liaison

NAME OF ASSIGNMENT/PROJECT: **HOUSING RECTIFICATION SURVEYS, EASTERN CAPE**
 YEAR: From: 2010 To: 2011
 LOCATION: Chris Hani and Amathole District, Eastern Cape, South Africa
 CLIENT: Eastern Cape Department of Housing
 MAIN PROJECT FEATURES: Surveys of rectification requirements for approximately 4000 RDP houses.
 POSITIONS HELD: **Data Manager**
 ACTIVITIES PERFORMED: Responsible for coordinating field surveyors, and all data management , analysis and reporting

FEASIBILITY STUDIES, STRATEGIC ENVIRONMENTAL ASSESSMENTS AND ENVIRONMENTAL PLANNING

NAME OF ASSIGNMENT/PROJECT: **NELSON MANDELA BAY MUNICIPALITY INTEGRATED ENVIRONMENTAL POLICY**
 YEAR: From: 2010 To: 2011
 LOCATION: Port Elizabeth, Eastern Cape, South Africa
 CLIENT: Nelson Mandela Bay Municipality
 MAIN PROJECT FEATURES: Development of a second generation Integrated Environmental Policy for the NMBM in Port Elizabeth included comprehensive staff survey programme and public participation programme
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: All aspects including project management, staff interviews, workshops and reporting

NAME OF ASSIGNMENT/PROJECT: **BINHAM GAUGING STATION ENVIRONMENTAL PLANNING (UK)**
YEAR: From: 2008 To: 2009
LOCATION: Norfolk, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: Development of a flow gauging station on the Binham Stream
POSITIONS HELD: **Project Scientist**
ACTIVITIES PERFORMED: Responsible for all environmental and town planning aspects of the project including drafting the Environmental Report and compiling the planning application

NAME OF ASSIGNMENT/PROJECT: **HILGAY HABITAT CREATION PROJECT (UK)**
YEAR: From: 2008 To: 2009
LOCATION: Hilgay, Norfolk, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: Planning and design of a 60 ha artificial reedbed wetland near Hilgay
POSITIONS HELD: **Project Scientist**
ACTIVITIES PERFORMED: Responsible for the Project Appraisal Report, and management of specialist studies including Flood Risk Assessment, Geotechnical Assessment and input from the Panel Reservoir Engineer

NAME OF ASSIGNMENT/PROJECT: **UPPER AIRE STRATEGIC ENVIRONMENTAL ASSESSMENT (UK)**
YEAR: From: 2008 To: 2009
LOCATION: River Aire, West Yorkshire, United Kingdom
CLIENT: Environment Agency
MAIN PROJECT FEATURES: SEA supporting a Flood Risk Management Strategy for flood alleviation options along a section (approximately 50km) of the River Aire.
POSITIONS HELD: **Project Scientist**
ACTIVITIES PERFORMED: Responsible for assessing river reaches in terms of environmental risk and finalising the SEA report.

NAME OF ASSIGNMENT/PROJECT: **GQUNUBE VALLEY ECO GOLF RESORT – BOARDWALK FEASIBILITY**
YEAR: From: 2006 To: 2006
LOCATION: East London, Eastern Cape, South Africa
CLIENT: The Billion Group
MAIN PROJECT FEATURES: An investigation into the feasibility of developing a boardwalk to provide beach access to the proposed Gqunube Valley Eco Golf Resort
POSITIONS HELD: **Project Leader and Scientist**
ACTIVITIES PERFORMED: All aspects including project management, assessments and reporting

NAME OF ASSIGNMENT/PROJECT: **GQUNUBE VALLEY ECO GOLF RESORT**
YEAR: From: 2005 To: 2005
LOCATION: East London, Eastern Cape, South Africa
CLIENT: The Billion Group
MAIN PROJECT FEATURES: Limited SEA required to inform development options for a site intended for the construction of an 18-hole golf course and 779 erven estates near Gonubie
POSITIONS HELD: **Project Scientist**
ACTIVITIES PERFORMED: Responsible for technical assessment and reporting

ENVIRONMENTAL MONITORING

NAME OF ASSIGNMENT/PROJECT: **EAST LONDON REGIONAL WASTE DISPOSAL SITE**
 YEAR: From: 2002 To: 2004
 LOCATION: East London, South Africa
 CLIENT: Buffalo City Municipality
 MAIN PROJECT FEATURES: Coordinator of environmental monitoring programme for the landfill site. Programmes included air quality, ground and surface water quality, fish and aquatic invertebrate assessments, and river sediment monitoring
 POSITIONS HELD: **Monitoring Programme Manager/Environmental Control Officer**
 ACTIVITIES PERFORMED: Responsible for programme design, implementation, specialist coordination, data interpretation and reporting, including presentations to the monitoring committee. Also functioned as Environmental Control Officer (ECO) for the infrastructure contracts for landfill construction

NAME OF ASSIGNMENT/PROJECT: **KACNIS TRANSPORT SITE GROUNDWATER INVESTIGATION**
 YEAR: From: 2003 To: 2003
 LOCATION: Berlin, East London, South Africa
 CLIENT: Anglo-American
 MAIN PROJECT FEATURES: Interpretation and reporting on groundwater monitoring data
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Evaluation of groundwater chemical analysis data generated from groundwater monitoring programme at the Kacnis site

NAME OF ASSIGNMENT/PROJECT: **DUCATS LANDFILL SITE CLOSURE – ENVIRONMENTAL MONITORING**
 YEAR: From: 2002 To: 2002
 LOCATION: East London, South Africa
 CLIENT: Buffalo City Municipality
 MAIN PROJECT FEATURES: Landfill closure project
 POSITIONS HELD: **Project Scientist**
 ACTIVITIES PERFORMED: Undertook environmental site assessment, designing of a surface water quality sampling programme, water sampling, data interpretation and reporting

PUBLICATIONS AND ARTICLES:

- **Institute of Waste Management (IWMSA).** Lecturer for the Institute of Waste Management's course on "Hazardous Waste Management". Have presented this three day course on two different occasions in the Eastern Cape.

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.



 [Signature of staff member or authorized representative of the staff]

Date: 18/04/2016
 Day/Month/Year

Full Name of Authorized Representative: Walter Fyvie