

ANDRIES R WILKE

Andries R Wilke

Director

Digby Wells & Associates

EDUCATION

B. Sc. 1995 UOFS

B. Sc. Hons. 1996 (Geohydrology/ Hydrology) UOFS

MDP 2007 US (Directors Award)

PROFESSIONAL AFFILIATIONS

Geological Society of South Africa – Groundwater Division (GSSA)

International Association of Hydrogeologists (IAH)

International Association for Impact Assessment (IAIA)

EMPLOYMENT

1998- 1999	GHT Free State	Geohydrologist
1999- 2001	Rison Consulting	Geohydrologist/ Numerical Modeller
2001- 2002	Digby Wells & Associates	Geohydrologist
2003 -2004	Digby Wells & Associates	Senior Geohydrologist
2004 -2006	Digby Wells & Associates	Manager Applied Sciences
2006 -	Digby Wells & Associates	Director

EXPERIENCE

Extensive field experience was gained during the initial period of employment with GHT, this experience, combined with the report writing, project management etc. associated with rural water supply activities have led to the development of a good understanding of the fundamentals of Geohydrology.

This was further expanded and integrated with the numerical modelling of numerous projects during employment with Rison Consulting. Projects included industrial and mining related projects, spanning simple site assessment to contaminant transport modelling and dewatering of operations.

The current employment with Digby Wells & Associates has led to the incorporation of these geohydrological skills to complement multi-disciplinary teams involved in the compilation of documents (EMPR, EIA etc.) and the undertaking of studies. The integration has also afforded the opportunity to be actively involved in investigations outside Southern Africa.

Projects undertaken include projects within the base metal, coal, diamond, gold and heavy minerals industries. These projects include the mining, processing and waste management facilities with the required investigations for each.

Louise van den Berg-Nicolai

Mrs Louise van den Berg-Nicolai
Environmental Consultant
Biophysical Department Manager
Digby Wells Environmental

EDUCATION

2007 – Present: MSc Environmental Management - Imperial College University of London

2002 – 2003: BA Hons. Geography and Environmental Management – University of the Witwatersrand (WITS)

1999 – 2002: BA Geography & Environmental Management (RAU)

RELEVANT EMPLOYMENT

February 2006 – present: Digby Wells Environmental:

PROFESSIONAL REGISTRATION

2010: Registered Environmental Assessment Practitioner

EXPERIENCE

During my 5 years of employment at Digby Wells, I have been exposed to a variety of aspects of providing environmental solutions. Over the years I have been involved in various components of the environmental assessment process. From initially integrating information in to EIA and accessing the impacts, to coordinating and managing the EIA process and the team involved in completing all the specialist studies. From the planning phase I am involved in providing advice and recommendation to the clients in terms of both required legal processes and environmental considerations.

My qualifications have exposed me not only to the natural element of the environment but also the human aspect. Through been involved in the public participation process I have gained experience in identifying environmental problems and concerns identified by the public which assist in the guiding of the specialist studies undertaken for the EIA process.

CURRENT WORK INVOLVED IN AT DIGBY WELLS & ASSOCIATES:

- Prospecting and Mining Rights.
- EIA & EMP's following NEMA & MPRDA.
- Assist in Due Diligence and Liability Assessments.
- Assist in Environmental Audits.
- Complete Environmental Management Plan performance assessments.
- Project management involving management of the project team including specialists and sub-contractors, liaison with clients and budget tracking.

- Proposal compilation for tendering for new projects.
- Management of employees within the unit

PROJECTS

I have been involved in the following projects:

- Resgen South Africa – Boikarabelo Coal Mine Mining Right
- Temo Coal – Waterberg Coal Project Mining Right
- GeoProMining – Armenia Gold Project ESIA
- Lumpasa Mining - NuCoal Op Goeden Hoop Project Mining Right
- Northern Coal - Weltevreden Project Mining Right
- Xstrata - Butterfly Pit River Diversion Project Environmental Authorisation
- Merafe Resource - Schoongezicht Project Mining Right
- Universal Coal – Kangala Coal Mine Mining Right
- BHP - Khutala Colliery Southern Access Environmental Authorisation
- Northern Coal - Jagtlust Environmental Authorisation
- Lions Head Platinuim – Mareesburg Joint Venture Environmental Authorisation
- Randgold Loulo Gold Mine, Mali, EMP Auditing and EMS development
- Pamodzi Gold - EMP Performance Assessment
- Anglo Platinuim – Environmental Audit
- Diamond Core – Numerous Due Diligences
- Randgold – Massawa Gold Project, Senegal, Feasibility Study
- Randgold – Goukoto Gold Project, Mali, feasibility Study
- Total Coal Water Monitoring
- Riversdale Water Monitoring
- Shell South Africa – Tank Installation Environmental Authorisation
- Sasol – Thaba Nchu Sasol Service Station Environmental Authorisation
- Eastplats – Crocodile River Mine Environmental Audit
- Aquila Steel – Prospecting Applications
- Sudor Coal – Prospecting Applications

Naledi Moeketsi

Naledi Moeketsi

Environmental Consultant

Digby Wells Environmental (Pty) Limited

EDUCATION

2009 – 2010: B-Tech- Environmental Sciences-Tshwane University of Technology
2006 – 2008: N-Dip- Environmental Sciences-Tshwane University of Technology
2001:- 2005 Matriculated at Brakpan High School¹

EMPLOYMENT

July 2008 – present: Digby Wells Environmental (DWE) as Environmental Consultant

EXPERIENCE

My current employment at Digby Wells and Associates as an Environmental Consultant requires me to compile Integrated Water Use License Applications in accordance to the National water Act. Experience gained at DWA includes the undertaking of Water Use License Application and Basic Assessment applications for mining companies. Some of the Projects completed in this regard are the following:

- Basic Assessment Report for Xstrata Coal-Goedverwachting;
 - Integrated Water Use License Applications for;
 - Mareesburg Platinum Joint Venture;
 - Mineral Corporation- Bankfontein Colliery
 - CIC Energy;
 - Northern Coal- Weltevreden;
 - HCI Khusela- Mbali and Palesa Collieries; and
 - Universal Coal- Kangala Colliery.
 - Integrated Water and Waste Management Plans for:
 - Tumelo Coal Mine
 - Mashala Resources- Penumbra Coal Mine
 - HCI Khusela- Palesa Mine
-

- Boikarabelo Coal Mine
- Lanxess Mine
- Lesedi Power Plan Project
- Performance Assessments
 - Sallies Mine
 - Xstrata Coal
- Environmental Control Officer Work
 - Foskor Zirconia



DIGBY WELLS
ENVIRONMENTAL

NATASHA HIGGITT

Ms Natasha Higgitt

Archaeology Intern

Social Sciences Department

Digby Wells Environmental

1 EDUCATION

- University of Pretoria
- BA Degree (2008)
- Archaeology Honours (2009)
- Title of Dissertation- Pass the Salt: An Archaeological analysis of lithics and ceramics from Salt Pan Ledge, Soutpansberg, for evidence of salt working and interaction.

2 EMPLOYMENT

July 2011 to Present: Archaeology Intern at Digby Wells Environmental

April 2011 to June 2011: Lab assistant at the Albany Museum Archaeology Department

April 2010 to March 2011: Intern at the Archaeology Department, Albany Museum under the Department of Sports, Recreation, Arts and Culture, Eastern Cape Government, South Africa (DSRAC)

3 PROJECT EXPERIENCE

- Rescue excavation at St Francis Bay (shell midden burial)
- Rescue excavation at Wolwefontein (skeleton in donga)
- Recorded two rock art sites at Blaauwbosch Private Game Reserve, Eastern Cape
- Attended a 2 week excavation/study tour in the Friuli Region in Italy, organised by the Società Friulana di Archeologia, sponsored by Ente Friuli nel Mondo, and excavated a 12th century medieval castle
- Attended a 2 week excavation in Limpopo, Waterpoort Archaeological Project organised by Xander Antonites (Yale PhD Candidate)
- UP Archaeology Fieldschool at Bivack, Limpopo (Survey and Excavation) (15 days)
- UP Archaeology Fieldtrip at De Witteberg, Mpumulanga (Rock Art recording) (1 day)
- UP Archaeology Fieldschool at Machete, Limpopo (Fieldschool administrator, Excavation and base station recording and mapping) (16 days)

Digby Wells & Associates (Pty) Ltd. Co. Reg. No. 1999/05985/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa
Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: AR Wilke, CD Wells, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, GE Trusler (C.E.O)
*Non-Executive

- UP Archaeology Fieldschool at Bivack, Limpopo and Ratho, Limpopo (Survey and excavation) (15 days)
- UP Geography Fieldschool at Injisuthi, Drakensberg (Weathering Analysis on Rock face with rock art) (2 days)
- UP Archaeology Fieldschool at Hillbrow, Gauteng (Phase 2 CRM Style Excavation) (7 days)
- UP Archaeology Fieldschool at Ratho, Limpopo (Excavation and Survey) (15 days)

CRM (Contract work)

- Notice of Intent to Develop and Cultural Resources Pre-Assessment for Orlight SA (PTY) Ltd Solar PV Project. 2012. (Digby Wells Environmental)
- Agricultural Survey for Platreef ESIA, Mokopane, Limpopo. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for the Proposed Sylvania Everest North Mining Development in Mpumalanga, near Lydenburg. 2011. (Digby Wells Environmental)
- Phase 2 Mitigation of Archaeological sites at Boikarabelo Coal Mine, Steenbokpan, Limpopo. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for Proposed Platinum Mine Prospecting in Mpumalanga, near Bethal for Anglo Platinum. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for proposed Platinum Mine at Mokopane, Limpopo for Ivanhoe Platinum. 2011. (Digby Wells Environmental)
- Phase 1 AIA Mixed-use housing Development, Kwanobuhle, Extension 11, Uitenhage, Eastern Cape. 2011.
- Phase 1 AIA Centane to Qholora and Kei River mouth road upgrade survey, Mnquma Municipality, Eastern Cape. 2011. (SRK Consulting)
- Phase 1 AIA Clidet Data Cable survey, Western Cape, Northern Cape, Free State and Eastern Cape. 2011. (SRK Consulting)
- Phase 1 AIA Karoo Renewable Energy Facility, Victoria West, Northern Cape. 2011. (Savannah Environmental)
- Phase 1 AIA Windfarm survey in Hamburg, Eastern Cape. 2010. (Savannah Environmental)
- Phase 1 AIA Windfarm survey in Molteno, Eastern Cape. 2010. (Savannah Environmental)
- Phase 1 AIA Housing Development at Motherwell, P.E. 2010. (SRK Consulting)
- Phase 1 AIA Sand quarry survey in Paterson, Eastern Cape. 2010. (SRK Consulting)
- Phase 1 AIA Quarry Survey at Victoria West. 2010. (Acer [Africa] Environmental Management Consultants)
- Phase 1 AIA Quarry Survey at Port Elizabeth. 2010. (E.P Brickfields)



4 PROFESSIONAL AFFILIATIONS

Association of Southern African Professional Archaeologists (ASAPA): Professional member

document1

Louise van Wyk

Louise van Wyk

Terrestrial Ecologist/Environmental Consultant

Digby Wells Environmental

EDUCATION

2008 M.Sc. Environmental Management (UJ)
2006 B.Sc. Honours Biodiversity and Conservation (UJ)
2003-2005 B.Sc. Zoology and Botany (UJ)

EMPLOYMENT

January 2011 - present	Terrestrial Ecologist/Environmental Consultant Digby Wells Environmental
June 2008 - December 2010	Terrestrial Ecologist Golder Associates (Pty) Ltd
January 2008 - June 2008	Environmental Scientist Paulette Jacobs Consulting (Hydroscience)

WORK EXPERIENCE

- Environmental Impact Assessments (EIAs), Basic Assessments and Environmental Management Plans (EMPs) for environmental authorisations in terms of the South African National Environmental Management Act (NEMA), 1998 (Act 107 of 1998).
- Assistance with Integrated Water Use License Applications (IWULAs) in terms of the South African National Water Act (NWA), 1998 (Act 36 of 1998).
- Environmental pre-feasibility studies for gold tailings reclamation and iron ore mining projects.
- Public Participation Processes and Public Consultation and Disclosure Plans.
- Biodiversity Assessments including Mammalia, Avifauna, Herpetofauna and Arthropoda.
- Impact assessments based on the terrestrial environment.
- Biodiversity Action Plans (BAP), rehabilitation and monitoring methods
- Environmental auditing
- Project management of ecological specialist studies.

PROJECT INVOLVEMENT

- Vaal Life X, Free State: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area for a coal mine development. Also an assessment associated with the impacts on the terrestrial environment.
- SANRAL Swartkopfontein, Botswana: Project manager and terrestrial specialist. Survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed road upgrade and bridge development at the Swartkopfontein border post. Also an assessment associated with the impacts on the terrestrial environment.
- Rustenburg Landfill Site, North West: Ecological survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area. Also an assessment associated with the impacts on the terrestrial environment.

- Rand Uranium, Gauteng: Ecological survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area for the development of a TSF and other mining infrastructure. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation.
- Belfast NBC, Mpumalanga: Ecological background study, which includes legislation, biodiversity requirements, expected species lists, Red Data and threatened species list and project/location information.
- Mogale Alloys, Gauteng: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area for the development of mining infrastructure in Krugersdorp, Gauteng.
- Swartkoppies, Gauteng: Terrestrial survey and reporting on the Flora of the proposed project area for housing development
- Zuurfontein Fauna and Flora, Gauteng: Ecological Reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area.
- Foskor PEP 3, Limpopo: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area for the development of mining infrastructure. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation.
- PMC Biomonitoring, Limpopo: Riparian survey and reporting as part of the biomonitoring project regarding the Selati and Olifants River. The riparian reporting includes the application of VEGRAI 3.
- Vanchem relocation project, Mpumalanga: Ecological study on the relocation of *Protea gaguedi*, including methods on relocation of *Protea* species, probability of survival, procedures to follow, permit application and possible locations for *Protea* relocation.
- TWP Rustenburg, North West: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation.
- Moatize Avian and Mammal study, Mozambique: Ecological desktop study which includes legislation, biodiversity requirements, expected species lists, Red Data and threatened species list and project/location information.
- New Denmark Colliery Tatuka, Mpumalanga: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation.
- WUC Pipeline, Gauteng: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora for a pipeline stretching over the Gauteng Province from the west as far as Randfontein to Springs in the East. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation.
- SASOL Synfuels Secunda, Mpumalanga: Terrestrial survey and reporting on the Mammalia, Avifauna, Herpetofauna, Arthropoda and Flora of the proposed project area. Also an assessment associated with the impacts on the terrestrial environment and suggestions on mitigation measures. Furthermore GRASS OWL RELOCATION PROCEDURE, due to Red Data species recorded on site.

LERATO RATSOENYANE

Ms Lerato Ratsoenyane

Unit Manager: Public Consultation and Disclosure Department

(Public Participation Practitioner)

Digby Wells Environmental

1 EDUCATION

- 2010: Certificate in Emotions, Outrage and Public Participation Training Course (International Association for Public Participation, IAP2, presented by John Godec).
- 2010: Certificate in Effective Stakeholder Management Course (University of Pretoria).
- 2010: Certificate in Microsoft Word 2007 Level 1 (ExecuTrain).
- 2008: International Association for Public Participation (IAP2) Certificate in Public Participation, Golder Associates, Midrand).
- 2007: BA Honours in Tourism Development, Marketing focusing on business and administration, Strategic Environmental Planning, Sport Tourism, Methodology for Research and Development (University of the Johannesburg – UJ).
- 2004 – 2006: BA Tourism Development, majoring in Tourism Development and Historical Studies. Other - Anthropology, Entrepreneurship and New Venture Creation, and Geography (Rand Afrikaans University).
- 2001-2003: Matriculated at Gelukdal Secondary School, Grade 12 Certificate.

2 COURSES AND CONFERENCES

- 2012: Certificate in training workshop in Understanding the New 2010 Environmental Impact Assessment Regulations (Carin Bosman Sustainable Solutions).
- 2012: Certificate of Completion in Defensive Driver Training Course (Pro-Active Driving).
- 2011: Certificate of Competence for Emergency First Aid Level 2 (Institute of Emergency First Aiders).
- 2011: Certificate of Attendance to the Waterberg Coalfield: Update on Developments (Fossil Fuel Foundation).
- 2011: Chairperson during the Community Responsible Mining Leadership Forum 2011 (Community Responsible Mining).
- 2011: Certificate of Completion in Mining for Non-Miners (Snowden).

3 EMPLOYMENT

October 2007 to current:	Digby Wells Environmental (Digby Wells)
	Unit Manager for the Public Consultation and Disclosure Department specialising in the development, planning and implementation of Public Participation Processes (PPP) within the mining industry in accordance to various South African and World Bank IFC Standards and Equator Principles
2007:	Tutor and Private Researcher – UJ
2006:	Tour Operator Assistant – Cultural Encounters Tour Operating Company – Braamfontein
2005-2006:	Student Assistant – Department of African Languages and Historical Studies – UJ
2005:	Trainee (Internship) – Road Lodge Carnival City – Brakpan
2004:	Trainee (internship) – Protea Parktonian All Suite Hotel – Braamfontein

4 EXPERIENCE

Current area of expertise at Digby Wells lies in the development, management and implementation of Public Participation Processes for small to multi-dimensional projects within the mining industry. Lerato poses good knowledge of the principles Of Integrated Environmental Management and strives to build sustainable mutual partnerships between developers and affected groups. She has excellent people's management and facilitation skills with expert knowledge in stakeholder engagement and management of public emotion and outrage.

5 PROJECT EXPERIENCE

Since at Digby Wells, I have been involved and managing PPP for various EIAs and EMPs for the mining resources sector. Projects I have and currently working on include:

- Resource Generation: Boikarabelo Coal Mine Project, Limpopo (overall projects);
- Temo Coal Mining (Pty) Ltd: Temo Coal Project, Limpopo;
- Matsopa Minerals (Pty) Ltd: Koppies Bentonite Mine, Free State;
- Crown Gold Recoveries: Resettlement Action Plan Framework for the Crown TopStar Project, Gauteng;
- Belfast and North West Prospecting Right Applications: African Exploration Mining and Finance Corporation (Pty) Ltd;
- HCI Khusele Coal: Palesa Extension Project, Nokuhle Coal Mine and Mbali Colliery Projects, Gauteng and Mpumalanga respectively;
- Pamodzi Gold: Pamodzi Gold Mine Projects, Free State;
- Tsimba Investment Holdings: Thaba' Nchu Sasol Filling Station Project, Free State;



- Xstrata Coal SA: Assisting with the PPP for the Spitzkop Greenfields Project and Tselentis Project, Mpumalanga; and
- CIC Energy: Assisting with the SIA consultations for the Mmamabula Energy Project, Botswana.

6 PROFESSIONAL AFFILIATIONS

- Member of the International Association for Public Participation (IAP2) South Africa.
- Committee Member for the Gauteng Branch: International Association for Impact Assessment (IAIA).



DIGBY WELLS
ENVIRONMENTAL

ALICE MCCLURE

Miss Alice McClure

Specialist: Geographic Information Systems (GIS) & Air Quality

GIS & Air Quality Department

Digby Wells Environmental

1 EDUCATION

- 2005 - 2007: B.Sc Environmental Sciences: Majored in Environmental Science and Entomology (Rhodes University)
- 2008: B.Sc (Hons) Environmental Sciences: Courses in Conservation Planning, Rehabilitation Ecology, Non-timber Forest Product Uses, Geographic Information Systems (GIS), Environmental Impact Assessment (EIA) and a short course in statistics (Rhodes University)
- 2009 – 2010: M.Sc. Environmental Sciences: Proactive conservation planning with a strong social focus using GIS

2 LANGUAGE SKILLS

English, Afrikaans and limited Zulu

3 EMPLOYMENT

March 2011 to present Digby Wells Environmental

January 2009 – August 2010 Eden to Addo Corridor Initiative

4 EXPERIENCE

GIS specialist in the Geographic Information Systems (GIS) and Air Quality Department. Graduated with an MSc in Environmental Sciences. The research associated with my master's degree was carried out while I was employed at Eden to Addo and was utilised practically to begin the systematic design of a conservation corridor between Addo Elephant National Park and Tsitsikamma National Park. Special consideration was given to the high social sensitivity of the area and the controversy surrounding conservation in the area. I used GIS to explore the effect and outcomes of incorporating social data into systematic conservation planning using least-cost corridor models. Since employment at Digby Wells, my expertise in ArcGIS processes has grown exponentially and techniques to solve spatial, temporal and analytical problems have been refined.

Responsibilities at Digby Wells Environmental currently include but are not limited to:

- Generation of maps for company projects;
- Compilation of Visual Impact Assessments;
- Assist in the completion of Biodiversity Assessments;
- Assist in the completion of Due Diligence Reports
- Assist in the development of a systematic and efficient tree-relocation plan;

Digby Wells & Associates (Pty) Ltd. Co. Reg. No. 1999/05985/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa

Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: AR Wilke, CD Wells, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, GE Trusler (C.E.O)
*Non-Executive

- Assist in the maintenance of the GIS database by storing all electronic files in a well organised structure
- Assist in the completion of Closure Cost Assessments by solving the spatial and analytical queries involved
- Assist in the design and completion of Rehabilitation Plans
- Assist in carrying out air quality assessments
- Produce spatial information in map format; and
- Application of GPS technology, aerial photo and satellite images

5 PROJECT EXPERIENCE

5.1 Completed Projects

Xstrata Hyperspectral Remote Sensing Project – Xstrata Coal

Date 2011:

Responsibilities

- Assist in the research for and completion of the Xstrata Hyperspectral Remote Sensing report

Xstrata Full GIS Upgrade – Xstrata Coal

Date 2011:

Responsibilities

- Assist in the compilation of the original dataset

Dennilton Transmission Project Basic Assessment Report – PBA International (SA) PTY Ltd. (for Eskom Holdings)

Date: 2011

Responsibilities:

- Assist in the completion of the Biodiversity Assessment

Temo Coal Mine Environmental Impact Assessment and Environmental Management Plan – Temo Coal (PTY) LTD.

Date: 2011

Responsibilities:

- Generate spatial data in the form of maps

- Assist in the Closure Costing by solving spatial queries
- Assist in air quality assessment

Boikarabelo Coal Mine and Rail Environmental Impact Assessment, Nema/NEMWA Application and Waste License Applications – Resource Generation

Date 2011

Responsibilities

- Generate spatial data in the form of maps
- Assist in the design of a Landfill Site

Protected Plants Management Plan - Resource Generation

Date: 2011/2012

- Generate spatial data in the form of maps
- Assist in generating a tree removal/relocation plan

Kangala Coal Mine Closure and Rehabilitation Plan – Universal Coal PLC.

Date 2011:

Responsibilities

- Generate spatial data in the form of maps
- Assist in the Rehabilitation design by solving spatial queries

Kibali River Hydro-Electric Power Stations – Randgold Resources

Date: 2011/2012

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies
- Compile visual impact assessment report
- Compile topographic report

Continental Coal Due Diligence (Project Kabeljou) – Continental Coal (PTY) LTD.

Date 2011:

Responsibilities

- Assist in the completion of the due diligence report
- Assist in the management of the project

5.2 CURRENT PROJECTS

Acid Mine Drainage Project – BKS (PTY) LTD.

Date: 2012

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies

BSGR Solar PV Project – BSGR Resources LTD.

Date: 2011/2012

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies
- Compile visual impact assessment report
- Compile topographic report
- Assist in the sensitivity Analyses using spatial information

Geluksdal TSF and Pipeline Project – Rand Uranium

Date: 2012

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies
- Compile visual impact assessment report
- Compile topographic report

Roodepoort Strengthening Project - Eskom Transmission Division

Date 2011/2012:

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies

- Compile visual impact assessment report

Mmamabula Optimisation Project – CIC Mining Resources LTD.

Date: 2011/2012

Responsibilities

- Generate spatial data in the form of maps
- Analyse spatial data to assist specialist studies
- Compile visual impact assessment report
- Compile topographic report

6 PROFESSIONAL AFFILIATIONS

Geographic Information Society of South Africa (GISSA)

International Association for Impact Assessment (IAIA)