Z STAR

Gavin Brown

Personal Information	Marital status: Married
	Nationality: South African
	Date of birth: 1st July 1959
	Place of Birth: Harare, Zimbabwe

Tertiary Education

Cycle de Formation Spécialisée en Géostatistique (CFSG)
Ecole Nationale Supérieure des Mines de Paris (Fontainebleau, France)

Management Development Programme (Diploma)
University of Stellenbosch, Business School (Stellenbosch, South Africa)

BSc(Hons) Geology
University of Natal (Pietermaritzburg, South Africa)

BSc Geology (Majoring in Geology, Chemistry)
University of Natal (Pietermaritzburg, South Africa)

Professional Experience

2008 - Present Zstar Mineral Resource Consultants (Pty) Ltd. Cape Town.
Director & Principal Mineral Resource Analyst
Responsible for the evaluation of mineral resources, the development of new estimation and analytical techniques, sample optimization studies to improve both geological and evaluation sampling and simulation studies to assess various risk and confidence issues. Classification of mineral resources (SAMREC/JORC) and competent person for diamond and gold deposits.

2001 - 2008 De Beers Group Services (Pty) Ltd. Cape Town.
Principal Mineral Resource Analyst
Responsible for the estimation and evaluation of numerous mineral resources for De Beers' operations, projects and ventures.

1999 - 2000 De Beers Marine (Pty) Ltd. Cape Town.
Mineral Resource Manager
Responsible for the management and development of marine diamond mineral resources. This involved the design, management of sampling programmes and geostatistical estimation. Technical guidance and co-ordination of Mine Planning and the depletion and reconciliation of the mineral reserves.

1994 - 1997 De Beers Marine (Pty) Ltd. Cape Town.
Resource Geologist
Responsible of mining aspects relating to the mineral resource.

1993   Anglo American Corporation of SA. Johannesburg.

Technical Assistant to Consultant Geologist

Liaison between Consulting Geologist and geological departments on mines, exploration offices and research departments.

1990 - 1992   Anglo American Corporation of SA (Exploration). Carletonville.

Senior Geologist

Project Geologist in charge of Phase I Exploration Programmes involving seismic interpretation, deep-hole drilling programmes and geological 3D modeling. Projects included Final Evaluation of Kalbasfontein/South Deep/Cardoville JV, evaluation of CL ~ WDL and exploration within Potch Gap.

1987 - 1989   South African Development Trust. KwaZulu-Natal.

Exploration Geologist

Field geologist in charge of exploration programmes for precious and base metals.

1983 - 1986   University of Natal. Pietermaritzburg.

Research Assistant

Geological mapping of Proterozoic volcanic terrane (Namib Desert) followed by a petrographic and geochemical investigation to determine the petrogenesis of the Sinclair Sequence (Namibia).

Professional Affiliations	**South African Council for Natural Scientific Professions (SACNSP):** Professional Natural Scientist (Reg No. 400005/01)
	Geological Society of South Africa (GSSA): Associate Member
	Geostatistical Association of South Africa (GASA): Member

Publications
Saravanakumar, P., Brown, GJ. and van Eck, G., 2014. Sample support size and spacing determination for resource development of a marine placer gold deposit. SAIMM Journal vol. 114, 7-18.

Brown, GJ., Ferreira, JJ. And Lantuéjoul, C., 2008. Conditional simulation of a Cox process using multiple sample supports. JM Ortiz and X Emery (eds.) Geostats 2008, Proceedings of the Eighth International Geostatistics Congress, 459-468p.

Brown, GJ., Lantuéjoul, C. and Prins, CF., 2005. Sample optimization and confidence assessment of marine diamond deposits using Cox simulations. O. Leuangthong and CV Deutsch (eds.), Geostatistics Banff 2004, 315-324.

Brown, GJ. and Wilson, AH., 1986. Petrology and Geochemistry of the Barby Formation, Sinclair Sequence, Namibia. Communs. Geol. Surv. Namibia, 2, 93-108.

Brown, GJ. and Wilson, AH., 1985. Geology and Geochemistry of the Barby Formation, Sinclair Sequence, Namibia. Communs. Geol. Surv. Namibia, 1, 89-92.