

Resource Estimation

Location:	Date:
JOHANNESBURG	5-9 July 2010
	15-19 November 2010

This 4-day course and 1-day workshop gives a clear understanding of the resource estimation process from interpretation through to classification. Through presentations, case studies and practical activities using real data, it aims to provide the skills required to carry out basic resource estimates for the exploration and mining industry. The facilitated workshop will help you apply your course knowledge to projects and will fast-forward your exposure to a variety of resource estimation problems.

Participants will:

Gain an overview of the resource estimation process

Learn how to describe data using statistics

Acquire an understanding of the fundamentals of resource estimation and how to apply them in practical estimation situations

Learn the requirements for resource classification and how to practically apply them

Course Content:

The course covers the entire resource estimation process including:

- An overview of the resource estimation process
- The fundamentals of resource estimation
- The importance of geology and domaining
- Data validation and analysis
- Variography
- Methods of estimation, including inverse distance and ordinary kriging
- Model validation techniques
- Practical resource classification
- An introduction to advanced estimation techniques

The fifth day of the course is a highly interactive, facilitated workshop that brings together the knowledge of the first four days as real-life case studies and attendees' resource estimation problems are brainstormed and analysed. This workshop will fast-forward your exposure to a variety of resource estimation problems and teach you:

- How to apply your course knowledge to projects
- To define and analyse technical information and problems
- To apply problem solving skills to technical issues
- How to map improvements
- To action plan solutions to your resource estimation problems

Delegates are encouraged to bring along data that they would like to discuss.

Delegate feedback

Snowden prides itself on the standard of its courses and on the quality of its presenters. Feedback from our previous course participants includes the following:

“One of the best courses I have ever taken”

“The course provided an excellent, easy-to-understand and well-presented overview of the resource estimation process”

“I found the tips and tricks for variography really valuable”

“Gave an excellent overview for advancing projects to resource stage”

“The whole course was valuable. My understanding of Resource Estimation is far greater than before”

“The facilitation day was excellent! Really helped define the practical applications of each concept highlighted in the previous 4 days”

Who should attend?

This course is designed for geologists and mining engineers involved with or about to become involved with resource estimation.

The course assumes a basic geological knowledge but does not assume any geostatistical knowledge.

Presenters

The course presenters will be chosen from Snowden’s most experienced consultants.

Mark Roux - Senior Resource Geologist

BSc (Hons) Geology, University of Pretoria, MGSSA



Mark has 8 years experience in various roles within the diamond industry from grass roots exploration to early stage evaluation of potential kimberlitic bodies; this involved working in a number of African ventures in Botswana, South Africa, Gabon and the Democratic Republic of the Congo fulfilling tasks ranging from raw sampling to project management and due diligence reporting roles. Following his exploration experience Mark moved into a new role as a resource extension geologist at Finsch Mine in the Northern Cape, where his tasks involved planning and executing underground drill projects, QAQC of logged core, interpretative logging and Gemcom modelling of the Block5 extension of the Finsch kimberlite pipe. Mark is currently completing his GDE with focus on Mineral Resource Evaluation. Mark’s fields of expertise lie in exploration, diamond geology, data validation, GIS and ore body modelling.

Mark Burnett - Divisional Manager Resources - Johannesburg Office

BSc (Hons), University of the Witwatersrand, Post Grad Dipl Terrain Evaluation, University of the North West



Mark has 18 years experience in mine geology and resource estimation. Mark has particular experience in geological modelling, resource estimation and audits, mine planning, technical reviews, due diligence and grade control. Prior to joining Snowden, Mark was the New Business Manager (Technical) for Harmony Gold Mine Ltd. In this role Mark reviewed potential acquisition targets, both locally and internationally. Since joining Snowden Mark has worked on a number of projects, including exploration projects, gold, uranium, coal and base metals.

Fees

Payment required at time of registration.

Each course costs R24,750 incl VAT per person.

This fee includes comprehensive course notes, refreshments and lunch.

Laptops for practical exercises

PLEASE NOTE: Attendees are please to bring their own laptops for courses.

Mentoring

Learn while working on your own data.

Snowden provides one-on-one technical mentoring to help develop your knowledge, skills and experience.

Take advantage of Snowden's 23 year knowledge and skills base to help:

- build your competence
- fast-track your technical knowledge
- assess your current capabilities
- set your professional development goals
- increase your confidence

On-site customised courses

All our courses can be customised to suit your specific training requirements and presented either on-site or at a venue of your choice. Please contact Diana Titren, Training Manager, on +61 8 9211 8670 or training@snowdengroup.com for further information.

Contact and registration

For more information on Snowden's Training and Mentoring programmes, please contact Diana Titren, Training Division Manager, on +61 8 9211 8670 or training@snowdengroup.com

To register, please complete the following form and fax it to Shannon Aitken, Training Coordinator, on +61 8 9322 2576

Please visit www.snowdengroup.com for more information about our training courses

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