

Resource Estimation

Location:	Date:
TORONTO	15-19 March 2010
VANCOUVER	22-26 March 2010
	20-24 September 2010
SANTIAGO	19-23 April 2010
BELO HORIZONTE	30 Aug- 3 September 2010
DENVER	4-8 October 2010
ANTOFAGASTA	25-29 October 2010
SUDBURY	22-26 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.

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.

George Gilchrist - Consultant Resource Geologist

BSc Hons (Geology), University of the Witwatersrand; PDM, Wits Business School, MGSSA, Pr.Sci.Nat



George's experience in the African mining industry was primarily on Witwatersrand gold deposits. Since joining Snowden, George has focussed on projects in West and southern Africa, with the main focus areas being orebody modelling, sampling, QAQC and resource evaluation. George's projects have focussed on gold, platinum, copper, nickel, uranium, magnetite and limestone deposits across a range of different geological and geographical settings. George has also been responsible for the development of a comprehensive geological training programme for technicians on the Witwatersrand gold mines and the development and presentation of Snowden's technical training courses.

Eric Chapman - Consultant Resource Geologist

MSc (Mining Geology), Camborne School of Mines, UK, 2003; BSc (Hons) (Geology), University of Southampton, UK, 1996



Eric has over 8 years of experience in applied geological modelling and geostatistical analysis, most recently providing consultancy for a variety of metal and industrial mineral resources ranging from cement and talc deposits to epithermal gold veins in Turkey, VMS resources in the USA and porphyry copper deposits in Kazakhstan. Eric has provided specialist training to industry experts on subjects such as geological modelling, applied geostatistics, unfolding of deposits and risk analysis through conditional simulation. Eric has practical experience of a range of resource evaluation techniques including ordinary kriging, indicator kriging and conditional simulation.

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"

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 either fax it to Shannon Aitken, Training Coordinator, on +61 8 9322 2576 or email to training@snowdengroup.com

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

Snowden Office Contact Details

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REGISTRATION FORM**RESOURCE ESTIMATION**

To: Snowden Vancouver Suite 600, 1090 West Pender Street, Vancouver BC V6E 2N7

PLEASE FAX YOUR REGISTRATION FORM TO: +61 8 9322 2576

OR EMAIL TO: training@snowdengroup.com

TORONTO	<input type="checkbox"/> 15-19 March	CA\$4,812.50 incl GST
VANCOUVER	<input type="checkbox"/> 22-26 March <input type="checkbox"/> 20-24 September	CA\$4,812.50 incl GST
SANTIAGO	<input type="checkbox"/> 19-23 April	CA\$4,812.50 incl GST
BELO HORIZONTE	<input type="checkbox"/> 30 Aug-3 September	CA\$4,812.50 incl GST
DENVER	<input type="checkbox"/> 4-8 October	CA\$4,812.50 incl GST
ANTOFAGASTA	<input type="checkbox"/> 25-29 October	CA\$4,812.50 incl GST
SUDBURY	<input type="checkbox"/> 22-26 November	CA\$4,812.50 incl GST
Delegate Name		
Position (in company)		
Company name		
Address		
Tel		
Fax		
Email		
How did you hear about the course?	<input type="checkbox"/> Email <input type="checkbox"/> Snowden Website <input type="checkbox"/> Snowden Newsletter <input type="checkbox"/> The Northern Miner <input type="checkbox"/> Other Advert _____ <input type="checkbox"/> Other, please specify _____	

PAYMENT OPTIONS

Payment required at time of registration - payment confirms your registration.
A tax invoice will be issued on receipt of payment.

1) Please enclose a cheque payable to Snowden Mining Industry Consultants

OR

2) Pay by wire transfer to TD Canada Trust, 1055 Dunsmuir Street, Vancouver, BC V7X 1P3. Account number: 95120-004-0910-0325278 Snowden M.I.C.

PLEASE NOTE: No refunds for cancellations made within 2 weeks of the course or for 'no shows'. Delegates can be substituted. If the minimum number of delegates is not achieved, delegates will be notified 1 week prior to seminar start date and fees will be refunded.