

Case Histories and Methods in Mineral Resource Evaluation

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Case Histories and Methods in Mineral Resource Evaluation

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Preface

The theme of the volume is 'Case Histories and Methods in Mineral Resource Evaluation'. The chapters cover a wide spectrum of activities in this field and range from exploration models, to exploration drilling and sampling, to ore reserves, to mine design, to financial evaluation, to mine sampling and grade control, and finally to reconciliation between estimated and mill recovered grades. The resources considered show a similarly large range and include precious and base metals, industrial minerals, coal, clay and aggregates. Deposits described come from all over the world and include examples from Australia, Chile, Western USA, Bangladesh and Zimbabwe, as well as examples from the United Kingdom.

Many chapters consider the application of geostatistics and discussions highlight the inherent problems with the technique and the need to take more account of the local mine geology. Though many geologists have had their fingers burnt in the past by applying geostatistics without adequate understanding of the method, there is clearly a greater appreciation of its value and a greater willingness to experiment further with the technique. Some of the case histories presented in this volume will be of value to those mine geologists who seek more practical guidance.

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