



**REDSTONE**  
EXPLORATION SERVICES



## REDSTONE EXPLORATION SERVICES: 'FILE NOTE SERIES' Note 02

### **SOME EXCELLENT GEOLOGY REFERENCE BOOKS – A MUST HAVE FOR YOUR BOOKSHELF**



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There are good books and... good books which make a real difference.

Below, we are listing a symbolic twenty-four references that merit their place in every geologist's library.

### TOP 12 BOOKS FOR YOUR FIELDWORK

- **'Geological methods in mineral exploration and mining'** by Roger Marjoribanks (2nd ed., Springer, 2010);
- **'Basic geological mapping'** by Richard J. Lisle, Peter Brabham, John W. Barnes (5th ed., Wiley-Blackwell, 2011);
- **'The mapping of geological structures'** by Ken McClay (Wiley-Blackwell, 1991);
- **'The field description of igneous rocks'** by Dougal Jerram, Nick Petford, (2nd ed., Wiley-Blackwell, 2011);
- **'Sedimentary rocks in the field'** by Maurice E. Tucker (4th ed., Wiley-Blackwell, 2011);
- **'Sedimentary rocks in the field – a colour guide'** by Dorrik A.V. Stow (Manson Publishing, 2005);
- **'The field description of metamorphic rocks'** by Norman Fry (Wiley-Blackwell, 1991);
- **'Field geologists' manual'** by D.A. Berkman (5th ed., The Australasian Institute of Mining and Metallurgy, Monograph No. 9, 2011);
- **'Atlas of alteration – a field and petrographic guide to hydrothermal alteration minerals'**, A.J.B. Thompson and J.F.H. Thompson, eds. (MDRU-GAC, 1998);
- **'Volcanic textures – a guide to the interpretation of textures in volcanic rocks'** by J. McPhie, M. Doyle, R. Allen (CODES University of Tasmania, 1993);
- **'Facies models 4'**, Noel P. James, Robert W. Dalrymple, eds., (Geological Association of Canada GEOText 6, 2010);
- **'The geoscience handbook - AGI data sheets'** by J. Douglas Walker, Harvey A. Cohen (4th ed., American Geological Institute, 2009).

## TOP 12 BOOKS ON ECONOMIC GEOLOGY / MINERAL EXPLORATION

- **'Economic Geology – One Hundredth Anniversary Volume'**, Jeffrey W. Hedenquist, John F.H. Thompson, Richard J. Goldfarb, Jeremy P. Richards, eds. (Society of Economic Geologists, 2005);
- **'Geology of Canadian Mineral Deposit Types'**, O.R. Eckstrand, W.D. Sinclair, R.I. Thorpe, eds. (Geological Survey of Canada, Geology of Canada no.8, 1995);
- **'Mineral Deposits of Canada – a synthesis of major deposit types, district metallogeny, the evolution of geological provinces and exploration methods'**, W.D. Goodfellow, ed. (Geological Association of Canada, Special Publication no.5, 2007);
- **'Geochemistry of Hydrothermal Ore Deposits'**, Hubert L. Barnes, ed. (3rd ed., Wiley, 1997)
- **'The Geology and Origin of Australia's Mineral Deposits'** by M. Solomon and D.I. Groves (Centre for Ore Deposit Research and Centre for Global Metallogeny, Publication no.22, 2000);
- **'Metal Deposits in Relation to Plate Tectonics'**, by Frederick J. Sawkins (Springer-Verlag, 1990);
- **'Ore textures - recognition and interpretation'** by Roger Taylor (Springer, 2009);
- **'Introduction to mineral exploration'** by Charles J. Moon, Michael K.G. Whateley, Anthony M. Evans (2nd ed., Blackwell, 2006);
- **'Geological Aspects of the Discovery of Some Important Mineral Deposits in Australia'**, K.R. Glasson, J.H. Rattigan, eds. (Australasian Institute of Mining and Metallurgy, Monograph no. 17, 1990);
- **'Mineral Resource and Ore Reserve Estimation – the AusIMM Guide to Good Practice'**, A.C. Edwards (Australasian Institute of Mining and Metallurgy, Monograph no. 23, 2001);
- **'Economic Evaluations in Exploration'** by F.-W. Wellmer, M. Dalheimer, M. Wagner (2<sup>nd</sup> edition, Springer, 2008);
- **'Geoscience reporting guidelines'** by Brian Grant (PDAC-GAC, Canada, 2003).

### ***Postscriptum***

*These... are the books I would take with me on a desert island, had it any mineral deposits. Of course, space permitting, I would also like to take the full collection of 'Economic Geology' - arguably the best journal on mineral deposits.*

MM