

Selected Reference Materials

Bak, P., 1996, How nature works: the science of self-organized criticality: Copernicus, Springer-Verlag, New York, 212 p.

Barnicoat, A.C., 2007, Mineral Systems and Exploration Science: Linking fundamental controls on ore deposition with the exploration process: *in* Andrews, C.J. et al., eds. Digging Deeper, Proceedings of the Ninth Biennial SGA Meeting, Dublin 2007, v. 2, p.1407-1411.

Begg, G.C., Loucks R.R., Gray D.R., Foster D.A., Kent A.J., and Cooke, D.R.,(2004) Gold, magmas, and tectonics: A dynamic link: In Muhling, J. et al. (eds.) *SEG 2004: Predictive Mineral Discovery Under Cover; Extended Abstracts*, Centre for Global Metallogeny, The University of Western Australia, Pub. 33, p. 268-270.

Begg GC, Hronsky JMA, Arndt NT, Griffin WL, O'Reilly SY, Hayward N (2010) Lithospheric, cratonic and geodynamic setting of Ni-Cu-PGE sulfide deposits. *Econ Geol* 105: 1057-1070

Billingsley, P., and Locke, A., 1935, Tectonic position of ore districts in the Rocky Mountain region: American Institute of Mining and Metallurgical Engineers Transactions, v. 115, p. 59-68.

Billingsley, P., and Locke, A., 1941, Structure of ore districts in the continental framework: American Institute of Mining and Metallurgical Engineers Transactions, v. 144, p. 9-64.

Carlson, C.A., 1991, Spatial distribution of ore deposits: *Geology*, v. 19, p. 111-114.

Cawood, P.A., Kroener, A., Collins, W.J., Kusky, T.M., Mooney, W.D., and Windley, B.F., 2009, Accretionary orogens through Earth history: In Cawood, P.A., and Kroner, A., (eds.) *Earth Accretionary Systems in Space and Time*, Geol Soc London, Spec Pub 318, p. 1-36.

Cook, F.A., 1995, Lithospheric processes and products in the southern Canadian Cordillera: A LITHOPROBE perspective: *Can J Earth Sci.*, v. 32, p. 1803-1824.

Cook, F.A., Clowes, R.M., Snyder, D.B., Van der Velden, A.J., Hall, K, Erdmer, P, and Evenchik, C.A., 2004, Precambrian crust and lithosphere beneath the northern Canadian cordillera discovered by LITHOPROBE seismic reflection profiling: *Tectonics*, v. 23, TC2010, doi: 10.1029/2002TC001412.

Crafford, A.E.J., Grauch V.J.S., 2002, Geologic and geophysical evidence for the influence of deep crustal structures on Paleozoic tectonics and the alignment of world-class gold deposits, north-central Nevada, USA: *Ore Geology Reviews*, v. 21, p.157-184.

Franklin, J.M., Gibson, H.L., Jonasson, I.R., and Galley, A.G., 2005, Volcanogenic massive sulfide deposits: *Econ Geol* 100th Anniv. Vol., p. 523-560.

Garwin, S., Hall, R., and Watanabe, Y., 2005, Tectonic setting, geology, and gold and copper mineralization in Cenozoic magmatic arcs of southeast Asia and the west Pacific: *Econ Geol* 100th Anniv. Vol., p. 891-930.

Goldfarb, R. J., Groves, D. I., and Gardoll, S., 2001, Orogenic gold and geologic time: A global synthesis: *Ore Geology Reviews*, v. 18, p. 1-75.

Goldfarb, R.J., Baker, T., Dube, B., Groves, D.I., Hart, C.J.R., and Gosselin, P., 2005, Distribution, character, and genesis of gold deposits in metamorphic terranes: *Econ Geol* 100th Anniv. Vol., p. 407-450.

Grainger, C.J., Groves, D.I., Tallarico, F.H.B., and Fletcher, I.R., 2008, Metallogensis of the Carajas Mineral Province, Southern Amazon Craton, Brazil: Varying styles of Archean through Paleoproterozoic to Neoproterozoic base- and precious-metal mineralisation: *Ore Geology Reviews*, v. 33, p. 451-489.

Grauch, V.J.S., Rodriguez, B.D., and Wooden, J.L., 2003, Geophysical and isotopic constraints on crustal structure related to mineral trends in north-central Nevada and implications for tectonic history: *Economic Geology*, v. 98, p. 269-286.

Griffin, W.L., O'Reilly, S.Y., Abe, N., Aulbach, S., Davies, R. M., Pearson, N.J., Doyle, B. J., and Kivi, K., 2003, The origin and evolution of Archean lithospheric mantle: *Precambrian Research*, v. 127, p. 19-41.

Griffin, W.L., O'Reilly, S.Y., Afonso, J.C., and Begg, G.C., 2008, The composition and evolution of lithospheric mantle: a re-evaluation and its tectonic implications: *Journal of Petrology*, doi: 10.1093/petrology/egn033

Groves, D.I., Condie, K.C., Goldfarb, R.J., Hronsky, J.M.A., and Vielreicher, R.M., 2005, Secular changes in global tectonic processes and their influence on the temporal distribution of gold-bearing mineral deposits: *Economic Geology*, v. 100, p. 203-224.

Hronsky, J.M.A., 2011, Self-organized critical systems and ore formation: The key to spatial targeting?: *Society of Economic Geology Newsletter*, v. 84, p. 14-16.

Jensen, E.P., and Barton, M.D., 2000, Gold deposits related to alkaline magmatism: *Reviews in Econ Geol*, v. 13 p. 279-314.

Kusznir, N.J., and Garner, G.D., 2007, Continental lithospheric thinning and breakup in response to upwelling divergent mantle flow: application to the Woodlark, Newfoundland and Iberia margins: In Karner, G.D., Manatschal, G., and Pinheiro, L.M. (eds.) *Imaging, Mapping and Modelling Continental Lithosphere Extension and Breakup*, *Geol Soc London Spec Pub* 282, p. 389-412.

Landtwing, M.R., Furrer, C., Heinrich, C.A., Pettke, T., and Guillong, M., 2010, The Bingham Canyon porphyry-Cu-Mo-Au deposit: II. Zoned copper-gold ore deposition by magmatic vapor expansion: *Economic Geology*, v. 105, p. 91 -118.

Lang, J.R., Baker, T., Hart, C.J.R., and Mortensen, J.K., 2000, An exploration model for intrusion-related gold systems: Soc Econ Geol Newsletter 40.

Loucks, R.R., 2014, Distinctive composition of copper-ore-forming arc magmas. Australian Journal of Earth Sciences v.61, p. 5-16.

Loucks, R.R. and Ballard, J.R., 2002, Report 2A: Distinguishing characteristics, habitat and origin of copper and gold ore-forming arc magmas, emphasizing the northern and western Pacific margin. Unpublished report for industry-sponsored research project: Predictive Guides to Copper and Gold Mineralization at Circum-Pacific Convergent Plate Margins, 99 p.

Loucks, R.R. and Ballard, J.R., 2003, Report 2C: Petrochemical characteristics, petrogenesis and tectonic habits of gold-ore-forming arc magmas. Unpublished report for industry-sponsored research project: Predictive Guides to Copper and Gold Mineralization at Circum-Pacific Convergent Plate Margins, 69 p.

McCuaig, T.C. and Hronsky J.M.A., 2014, The mineral system concept: The key to exploration targeting: Society of Economic Geologists Special Publication 18, p. 153-175.

Meinert, L.M., Dipple, G.M., and Nicolescu, S., 2005, World skarn deposits: Econ Geol 100th Anniv. Vol., p. 299-336.

Miller, S.A., Colletini, C., Chiaraluce, L., Cocco, M., Barchi, M., and Klaus, B.J.P., 2004, Aftershocks driven by a high-pressure CO₂ source at depth: Nature, v. 247, p. 724-727.

Muller, D., 2002, Gold-copper mineralization in alkaline rocks: Mineralium Deposita, v. 37, p. 1-3.

Muller, D. and Groves, D.I., 1995, Potassic igneous rocks and associated gold-copper mineralization: Lecture Notes in Earth Sciences 56, Springer-Verlag, Berlin, Heidelberg.

Muntean, J.L., Cline, J.S., Simon, A.C., and Longo, A.A., 2011, Magmatic hydrothermal origin of Nevada's Carlin-type gold deposits: Nature Geoscience, v. 4, p. 122-127.

Murakami, H., Seo, J.H., and Heinrich, C.A., 2009, The relation between Cu/Au ratio and formation depth of porphyry-style Cu-Au ± Mo deposits: Mineralium Deposita, v. 45, p. 11-21.

Pettke, T., Oberli, F., and Hienrich, C.A., 2010, The magma and metal source of giant porphyry-type ore deposits, based on lead isotope microanalysis of individual fluid inclusions: Earth and Planetary Science Letters, v. 296, p. 267-277.

Reston, T.J., 2007, The formation of non-volcanic rifted margins by the progressive extension of the lithosphere: the example of the West Iberian margin: In Karner, G.D., Manatschal, G., and Pinheiro, L.M. (eds.) Imaging, Mapping and Modelling Continental Lithosphere Extension and Breakup, Geol Soc London Spec Pub 282, p. 77-110.

Richards, J.P., 2000, Lineaments revisited: Society of Economic Geology Newsletter 42.

Richards, J.P., 2008, Post-subduction porphyry Cu-Au and epithermal Au deposits: Products of the remelting of subduction-modified lithosphere: *Geology*, v. 37, p. 247-250.

Richards, J.P., Boyce, A.J., and Pringle, M.S., 2001, Geologic evolution of the Escondida area, Northern Chile: A model for spatial and temporal localization of Porphyry Cu mineralization: *Economic Geology*, v. 96, p. 271-305.

Rock, N.M.S., 1987, Lamprophyres as potential gold exploration targets: Some preliminary observations and speculations. In S.E. Ho & D.I. Groves (eds.) *Recent Advances in Understanding Precambrian Gold Deposits*, Geology Dept. & University Extension, University of WA Publication 11, p. 271-286.

Rohrlach, B.D., and Loucks, R.R., 2005, Multi-million year cyclic ramp-up of volatiles in a lower crustal magma chamber trapped below the Tampakan copper-gold deposit by Mio-Pliocene crustal compression in the Southern Philippines: *in* Porter T.M., ed., *Super porphyry copper and gold deposits: A global perspective*: Adelaide, PGC Publishing, v. 2, p. 270-313.

Rusk, B.G., Reed, M.H., and Dilles, J.H., 2008, Fluid inclusion evidence for magmatic-hydrothermal fluid evolution in the porphyry copper-molybdenum deposit at Butte, Montana: *Economic Geology*, v. 103, p. 307-334.

Sato, K., Kovalenko, V., Romanovsky, N.P., Nedachi, M., Berdnikov, N.V., and Ishihara, T., 2004, Crustal control on the redox state of granitoid magmas: tectonic implications from the granitoid and metallogenic provinces in the circum-Japan Sea region: *Trans Roy Soc Edinburgh: Earth Sciences*, v. 95, p. 319-337.

Schneider, E.D. and Dorion, S., 2005, *Into the cool: Energy flow, thermodynamics and life*: The University of Chicago Press, Chicago, 362 p.

Seedorff, E., Dilles, J.H., Proffett, J.M., Einaudi, M.T., Zurcher, L., Stavast, W.J.A., Johnstone, D.A., and Barton, M.D., 2005, Porphyry deposits: Characteristics and origin of hypogene features: *Econ Geol 100th Anniv. Vol.*, p. 251-298.

Sibson, R.H., Robert, F., and Poulsen, K.H., 1988, High-angle reverse faults, fluid-pressure cycling and mesothermal gold deposits: *Geology*, v. 14, p. 551-555.

Sillitoe, R.H., 1997, Characteristics and controls of the largest porphyry copper-gold and epithermal gold deposits in the circum-Pacific region: *Aus. J. Earth Sci.*, v. 44: p. 373-388.

Sillitoe, R.H., 2008, Major gold deposits and belts of the North and South American Cordillera: distribution, tectonomagmatic settings and metallogenic considerations: *Economic Geology*, v. 103, p. 663-688.

Sillitoe, R.H., 2010, Porphyry copper systems: *Economic Geology*, v. 105, p. 3-41.

Sillitoe, R.H. and Perrello, J., 2005, Andean copper province: Tectonomagmatic setting, deposit types, metallogeny, exploration, and discovery: *Econ Geol 100th Anniv. Vol.*, p. 845-890.

Simmons, S.F., White, N.C., and John, D.A., 2005, Geological characteristics of epithermal precious and base metal deposits: *Econ Geol* 100th Anniv. Vol., p. 485-522.

Solomon, M., 1990, Subduction, arc reversal and the origin of porphyry copper-gold deposits in island arcs: *Geology*, v. 18, p. 630-633.

Snyder, D.B., Clowes, R.M., Cook, F.A., Erdmer, P., Evenchich, C.A., Van der Velden, A.J., and Hall, K.W., 2002, Proterozoic prism arrests suspect terranes: Insights into the ancient cordilleran margin from seismic reflection data: *GSA Today*, v. 12, p. 4-9.

Snyder, D.B., Pilkington, M., Clowes, R.M., and Cook, F.A., 2009, The underestimated Proterozoic component of the Canadian Cordillera accretionary margin: In Cawood, P.A., and Kroner, A. (eds) *Earth Accretionary Systems in Space and Time*, *Geo Soc London Spec Pub* 318, p. 1-36.

Squire, R.J., Miller, J., 2003, Synchronous compression and extension in East Gondwana: tectonic controls on world-class gold deposits at 440 Ma: *Geology*, v. 31, p. 1073-1076.

Sutherland, R., Davey F., and Beavan, J., 2000, Plate boundary deformation in South Island, New Zealand, is related to inherited lithospheric structure: *Earth and Planetary Science Letters*, v. 177, p. 141-151.

Titley, S.R., 2001, Crustal affinities of metallogenesis in the American Southwest: *Economic Geology*, v. 96, p. 1323-1342.

Tosdal, R.M., and Richards, J.P., 2001, Magmatic and structural controls on the development of porphyry Cu±Mo±Au deposits: *Society of Economic Geologists Reviews*, v. 14, p. 157-181.

Wyborn, L.A.I., Heinrich C.A., and Jaques A.L., 1994, Australian Proterozoic mineral systems: essential ingredients and mappable criteria: *Australian Institute of Mining and Metallurgy Annual Conference*, Melbourne, Proceedings, p. 109-115.

Yardley, B.W.D., 2005, Metal concentrations in crustal fluids and their relationship to ore formation: *Economic Geology*, v. 100, p. 613-632.

Zhang, M., O'Reilly, S.Y., Wang, K-L., Hronsky, J., and Griffin, W. L., 2008, Flood basalts and metallogeny: The lithospheric mantle connection: *Earth Science Reviews*, v. 86, p. 145-174.