

## **BATHOLITHIC AND EARLY HALO TYPE DEPOSITS**

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### REFERENCES

- Carson, D.J.T., and Jambor, J.L., 1977, Phyllitic overprinting: A fundamental cause in variations in zoning at porphyry copper deposits: Geological Association of Canada, Annual Meeting, Vancouver, v. 2, p. 11.
- Cheney, E.S., and Trammell, J.W., 1975, Batholithic ore deposits (abstr.): Economic Geology, v. 70, p. 1318-1319.
- Cheney, E.S., and Trammell, J.W., 1996, The “inside-out” Quartz Creek quartz dioritic, batholithic, copper deposit, central Cascade Range, Washington, *in* Coyner, A.R., and Fahey, P.L., eds., Geology and ore deposits of the American Cordillera: Geological Society of Nevada Symposium Proceedings, Reno/Sparks, Nevada, April 1995, p. 1521-1532.
- Cheney, E.S., Trammell, J.W., Rasikriengkrai, P., and Howard, D.A., 1972, Inside-out hydrothermal alteration in a porphyroid Cu-Mo deposit (abstr.): Economic Geology, v. 67, p. 1003.
- Guilbert, J.M., and Lowell, J.D., 1974, Variations in zoning patterns in porphyry ore deposits: CIM Bulletin, v. 67, no. 742, p. 99-133.
- Gustafson, L.B., and Hunt, J.P., 1971, Evolution of mineralization at El Salvador, Chile (abstr.): Economic Geology, v. 66, p. 1266-1267.
- Gustafson, L.B., and Hunt, J.P., 1975, The porphyry copper deposit at El Salvador, Chile: Economic Geology, v. 70, p. 857-912.
- Hollister, V.F., 1975, An appraisal of the nature and source of porphyry copper deposits: Minerals Science and Engineering, v. 7, p. 225-233.
- Houston, R.A., and Dilles, J.H., 2013, Structural geologic evolution of the Butte district, Montana: Economic Geology, v. 108, p. 1397-1424.
- Kesler, S.E., Jones, L.M., and Walker, R.L., 1975, Intrusive rocks associated with porphyry copper mineralization in island arc areas: Economic Geology, v. 70, p. 515-526.
- Lowell, J.D., and Guilbert, J.M., 1970, Lateral and vertical alteration-mineralization zoning in porphyry ore deposits: Economic Geology, v. 65, p. 373-408.
- McMillan, W.J., and Panteleyev, A., 1988, Porphyry copper deposits, *in* Roberts, R.G., and Sheahan, P.A., eds., Ore deposit models: Geoscience Canada, Reprint Series 3, p. 45-58.
- Nielsen, R.L., 1976, Recent developments in the study of porphyry copper geology – a review, in Sutherland Brown, A., ed., Porphyry deposits of the Canadian Cordillera: Canadian Institute of Mining and Metallurgy, Special Volume 15, p. 487-500.
- Proffett, J.M., 2009, High Cu grades in porphyry Cu deposits and their relationship to emplacement depths of magmatic sources: Geology, v. 37, p. 675-678.
- Reed, M., Rusk, B., and Palandri, J., 2013, The Butte-magmatic-hydrothermal system: One fluid yields all alteration and veins: Economic Geology, v. 108, p. 1379-1396.

- Seedorff, E., Dilles, J.H., Proffett, J.M., Jr., Einaudi, M.T., Zurcher, L., Stavast, W.J.A., Johnson, D.A., and Barton, M.D., 2005, Porphyry deposits; characteristics and origin of hypogene features: Economic Geology 100th Anniversary Volume, p. 251-298.
- Sillitoe, R.H., 1973, The tops and bottoms of porphyry copper deposits: Economic Geology, v. 68, p. 799-815.
- Sillitoe, R.H., 2010, Porphyry copper systems: Economic Geology, v. 105, p. 3-41.
- Sillitoe, R.H., and Perelló, J., 2005, Andean copper province: Tectonomagmatic settings, deposit types, metallogeny, exploration, and discovery: Economic Geology 100th Anniversary Volume, p. 845-890.
- Singer, D.A., Berger, V.I., and Moring, B.C., 2008, Porphyry copper deposits of the world: Database and grade and tonnage models, 2008: U.S. Geological Survey open-file report 2008-1115.
- Soregaroli, A.E., and Whitford, D.F., 1976, Brenda, *in* Sutherland Brown, A., ed., Porphyry deposits of the Canadian Cordillera: Canadian Institute of Mining and Metallurgy, Special Volume 15, p. 187-194.
- Sutherland Brown, A., 1976, Morphology and classification, *in* Sutherland Brown, A., ed., Porphyry deposits of the Canadian Cordillera: Canadian Institute of Mining and Metallurgy, Special Volume 15, p. 44-51.