

## M. STEPHEN ENDERS

### PUBLICATIONS

Enders, M.S., and Titley, S.R., (in prep), The evolution of supergene enrichment in the Morenci porphyry copper deposit, Greenlee County, Arizona: manuscript submittal for Economic Geology.

Titley, S.R., (and Enders, M.S.), 2010, Advances in the understanding of supergene processes, Society of Economic Geologists, Special Publication of the proceedings of the SEG Symposium on Supergene Processes, Tucson, Arizona, September 25, 2007, Titley (and Enders), editors.

Enders, M.S., Knickerbocker, C, Titley, S.R., and Southam, G., 2006, The role of bacteria in the supergene environment of the Morenci porphyry copper deposit, Greenlee County, Arizona: Econ. Geol., v 100, n. 1, p 59-70.

Melchiorre, E.B., and Enders, M.S., 2003, Stable isotope geochemistry of copper carbonates at the Northwest Extension deposit, Morenci District, Arizona: implications for conditions of supergene oxidations and related mineralization, Econ. Geol., V. 98, p. 607-621.

Reid, B.H., Buffler, R.T., Enders, M.S., 2001, Sedimentation and tectonics of the Gila Group conglomerate in the Duncan basin, Greenlee County, SE Arizona, Geol. Soc. Amer. Abstracts with Programs, v. 33, n. 6, p. A-71.

Enders, M.S., 2000, The evolution of supergene enrichment in the Morenci porphyry copper deposit, unpublished Ph.D. dissertation, The University of Arizona, Tucson, AZ, 517 p.

Ferguson, C. A., Enders, M. S., and Orr, T. R., 2000, Geologic spatial data for the Clifton-Morenci area, Greenlee County, Arizona: Arizona Geological Survey Digital Information Series 18 (DI-18), 5 ARC/INFO export files, 36 ArcView shapefiles, and other files.

Ferguson, C. A., and Enders, M. S., 2000, Digital geologic map and cross-sections of the Clifton-Morenci area, Greenlee County, Arizona: Arizona Geological Survey Digital Geologic Map 1 (DGM-01), layout scale 1:24,000, 1 Adobe PDF file (3 plates), and other files.

Ferguson, C. A., Enders, M. S., Peters, L., and McIntosh, W. C., 2000, Mid-Tertiary geology and geochronology of the Clifton-Morenci area, southeastern Arizona: Arizona Geological Survey Open-File Report 00-7, 69 pp.

Titley, S.R. and Enders, M.S., 1999, Some notions on formation of thick supergene sulfide copper enrichment blankets: presented at the SME Annual Meeting, Denver, Colorado, March 3, 1999.

Enders, M.S., Knickerbocker, C, Southam, G., and Titley, S.R., 1998, The occurrence of acidophilic iron oxidizing bacteria and their role in supergene enrichment of the Morenci porphyry copper deposit, Greenlee County, Arizona: Geol. Soc. of Amer. Abstracts with Programs, v. 30, n. 7, p. A205.

Enders, M.S., Titley, S.R., and Hertel, M.P., 1998, Thick Supergene Enrichment Blankets – Lessons from the Morenci District, Arizona, presented at the SME Annual Meeting, Orlando, Florida, March 9-11, 1998.

Enders, M.S. and Bartlett, M.W. ed., 1997, Arizona Geological Society Fall 1997 Field Trip Morenci Mine, Greenlee County, Arizona, 82 p. Leaders: Steve Enders and Mark Bartlett.

Titley, S.R., and Enders, M.S., 1997, Leached Capping and Outcrop Interpretation for Porphyry Copper Deposits, short course notes, Department of Geosciences and Center for Mineral Resources, University of Arizona, Tucson, Arizona.

Bartlett, M.W., Enders, M.S., Volberding, J.E., and Wilkinson, W.H., 1996, "The Geology of the McDonald Gold Deposit, Lewis & Clark County, Montana", 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. 981-1000.

Enders, M.S., Bartlett, M.W., Coffin, G.C., Volberding, J.E., and Young, D.P., 1995, "The Discovery of the McDonald Gold Deposit, Lewis & Clark County, Montana", Mining Engineering, Vol. 47, p.916-921.

Richter, D.H., Lawrence, V.A., Drewes, D., Young, T.H., Enders, M.S., Damon, P.E., and Thorman, C.H., 1990, "Geologic Map of the San Simon Quadrangle and Parts of the Summit Hills and Mondel Quadrangles, Cochise, Graham, and Greenlee

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Counties, Arizona and Hidalgo County, New Mexico", U.S. Geological Survey Miscellaneous Series Map I-1951, scale 1:48,000.

Bartlett, M.W., Enders, M.S., and Hruska, D.C., 1989, "Geology of the Volcanic-Hosted Hollister Gold Deposit, Ivanhoe District, Elko County, Nevada", in Ore Deposits of the Great Basin, proceedings of the Geological Society of Nevada Great Basin Symposium, Vol. II, p. 957-978.

Enders, M.S., and Coolbaugh, M.F., 1987, "The Summitville Gold Mining District, San Juan Mountains, Colorado", in Denver Region Exploration Geological Society Fall Guidebook, Sept. 19-20, 1987: Gold Mineralization of Colorado's Rio Grande Rift, p. 28-36.

Enders, M.S., and Coolbaugh, M.F., 1987, "A Geologic Model of Gold Mineralization for Exploration, Development and Production at Summitville, Colorado", (Abs.): Geological Society of America Abstracts with Programs, Vol. 19, p.245.

Enders, M.S., and Rogers, L.M., 1984, "Design of the Geologic Program at the Zortman and Landusky Mines, Little Rocky Mountains, Montana", in Applied Mining Geology, Vol. I, A.J. Erikson, Ed., 222p.

Rogers, L.M., and Enders, M.S., 1982, "Syenite-Hosted Gold Deposits of the Little Rocky Mountains, Montana", in Proceeds of the Northwest Mining Association Convention, Spokane, WA, Dec. 10, 1982.

Enders, M.S., 1981, Geology, mineralization and exploration characteristics of the Beck Mine and vicinity, Kimball Mining District, Hidalgo County, New Mexico and Cochise County, Arizona, unpublished M.Sc. thesis, The University of Arizona, Tucson, AZ, 109 p.

## **RECENT CONFERENCE PRESENTATIONS**

Enders, M.S., 2010, What does industry need from governments and research institutions? in Proceedings of the AMIRA 2010 Exploration Managers Conference: Looking to the future - what's next?, March 22-25, 2010, Yarra Valley, Victoria, Australia.

Enders, M.S., 2010, Exploration Effectiveness: The view of the major mining company: presented at the Prospectors and Developers Association of Canada's 2010 International Convention, Trade Show & Investors Exchange - Panel Discussion on Exploration, March 7, 2010.

Enders, M.S., 2009, The Mining Industry – are the business models broken?: SEG Honorary Lecture for various universities and mining companies.

Enders, M.S., Hatcher M., and Gebre-Mariam, M., 2008, West Africa – Newmont's Golden Opportunity: in proceedings of the 2008 Society of Economic Geologists – Geological Society of South Africa biennial meeting, July 6-9, 2008, Johannesburg, South Africa.

Enders, M.S., Highsmith, P., and Simon, G, 2007, Future education trends, what does industry want: in proceedings of the Society for Geology Applied to Mineral Deposits 9th Biennial SGA Meeting, August 20-24, 2007, Dublin, Ireland.

Enders, M.S., 2007, Bridging the gaps in exploration & mining – opportunities for research and development across the life cycle of an ore deposit: in proceedings of the 2007 AMRIRA Exploration Managers Conference: Making Collaborative R&D an Integral Part of the Exploration Business, March 26-29, 2007, Barossa Valley, South Australia.

Enders, M.S., Southam, G., Knickerbocker, C., and Titley, S.R., 2007, The role of bacteria in the supergene environment of the Morenci porphyry copper deposit – the rest of the story, Society of Economic Geologists 2007 International Exchange Lecture.

Enders, M.S., 2007, Greenfield Exploration: integrating science, human resources and business principals – the Newmont story; Society of Economic Geologists 2007 International Exchange Lecture, adapted from "Up the Down Escalator – how does Newmont do it?" first presented at the British Columbia and Yukon Chamber of Mines Mineral Exploration Roundup 2006, January 23-26, 2006, Vancouver, BC, Canada.

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Enders, M.S., and Leveille, R.A., 2004, Meeting quarter-century exploration requirements in a quarterly reporting business world: Society for Mining, Metallurgy and Exploration 2004 Henry Krumb Lecture, first presented at the SME Annual Meeting, February 23-25, 2004, Denver, Colorado. Also presented at PACRIM 2004 Conference, Adelaide, Australia. See Australia's Paydirt, v. 1, issue 111, p85.

Enders, M.S., 2003, Exploration & Mining – bridging the gap and the role of collaborative R&D: in proceedings of the 2003 AMIRA Exploration Managers Conference, March 24-27, 2003, Margaret River, Western Australia.