

XI BIBLIOGRAFÍA

Amaya M.R., Gonzalez C.M., Roldán Q.J., 1992; Nuevas consideraciones estratigráficas de la Formación Tarahumara en la porción centro oriental de Sonora: Sociedad Geologica Mexicana, XI Convención Geologica Nacional, Veracruz, Ver., Resumenes, p. 15

Arribas, A jr., 1995 Characteristics of high sulfidation epithermal deposits and their relation to magmatic fluid: Mineralogical Association of Canada Short Course Series v 23, p 419-454

Ashley, R.P., 1982, Occurrence model for enargite-gold deposits. U.S.G.S. Open-File Report, 82-795, 144-147.

Berger, B.R., Eimon, P.L., 1983, Conceptual models of epithermal precious metal deposits. In Shanks, W.C. (ed.), Cameron volume on unconventional mineral deposits. Society of Mining Engineers, New York, 191-205.

Camprubí, A., 1999, Los depósitos epitermales Ag-Au de Temascaltepec (Estado de México), México: Barcelona, España, Universitat de Barcelona, Col·lecció de Tesis Doctorals Microfi txades, 3528, 252 p.

Camprubi, A., and Albinson, T., 2006, Los depósitos epitermales: revisión sobre el estado actual de su conocimiento, métodos de estudio y presencia en México, Boletín de la Sociedad Geológica Mexicana, volumen conmemorativo del centenario, Yacimientos Minerales, Tomo LVII, num 4, 2006, 55 p.

Chaulot – Talmon, J. F., 1984, Etude géologique et structural des ignimbrites du Tertiare de la Sierra Madre Occidental, entre Hermosillo et Chihuahua, Mexique (These 3ème cycle): Orsay, University of Paris-Suc, 259 p

Clark, R.N., King, T., Klefwa, M., Swayze, G.A. y Vergo, N., 1990, Espectroscopía de reflectancia de alta resolución para minerales: Journal of Geophysical Research, v. 95, no. B-8, p. 12,653-12,680.

Cocheme J.J., Demant A., 1991; Geology of the Yecora área, northern Sierra Madre Occidental, México Geol. Soc. Amer., Spec. pap. 254, p. 81-94.

Crowley, J. K., 1984, Reflectancia de la zunyita en la zona cercana al infrarrojo: Implicancias en el mapeo de campo y la detección por sensores remotos de rocas con alto contenido de álumina hidrotermalmente alteradas: Economic Geology, v.79, p. 553-557.

Vancouver, B.C., March 1-3, 1999, ERIM International Inc., Proceedings, p. I-255-262.

Denniss A.M., Colman, T.B., Cooper, D.C, Hatton, W.A., y Shaw, M.H., 1999, El uso combinado de las tecnologías PIMA y VULCAN para la evaluación de depósitos minerales en la mina Parys Mountain, Anglesey, UK: International Conference on

Applied Geologic Remote Sensing, 13th, Vancouver, B.C., March 1-3, 1999, ERIM International Inc., Proceedings, p. I-25-32.

Ebert Shane W 2004, Thechnical Report and exploration recommendations La India Project, Mulatos District Sonora México.

Farmer, V.C., 1974, Los espectros infrarrojos de los minerales: Mineralogical Society of London, Darking, Surrey, Adlar and Son Ltd., Monograph 4, 539 p.

Goetz, A. H. F., Rowan L.C. and Kingston, M. J., 1982. Mineral identification from orbit: initial results from the shuttle multispectral infrared radiometer. *Science*, 218 1020-1024.

Gray, M.D., 2001, Exploration criteria for high sulfidation gold deposits in Mexico; in Proceedings Volume, XXIV Convencion Internacional de la Asociación de Ingenieros de Minas Metalurgistas y Geologos de Mexico A.C., Acapulco, Guerrero.

Grove, C.I., Hook, S., y Paylor, E.D., 1992, Espectros de reflectancia de laboratorio de 160 minerales, 0.4 a 2.5 micrometros: Pilot Land Data Systems, Jet Propulsion Laboratory, Pasadena, California, JPL Publication 92-2.

Hauff, P.L. 1993, SPECMIN TM Sistema de Identificación de Minerales y Archivo Espectral, v. 1 y 2.: Arvada, Colorado, Spectral International, Inc., 600 p.

Heald, P., Foley, N.K., Hayba, D.O., 1987, Comparative anatomy of volcanic-hosted epithermal deposits: acid-sulfate and adularia-sericite types. *Economic Geology*, 82, 1-26.

Hedenquist, J.W., 1987, Mineralization associated with volcanic-related hydrothermal systems in the Circum-Pacific Basin, Transactions 4th Circum Pacific Energy and Mineral Resources Conference, Singapore, 1-26.

Hedenquist, J.W., Arribas, A. Jr., Urien-Gonzalez, E., 2000, Exploration for epithermal gold deposits. In Hagemann, S.G., Brown, P.E. (eds.), Gold in 2000: Society of Economic Geologists, Reviews in Economic Geology, 13, 245-277.

Hedenquist, J.W., Lowenstein, J.B., 1994, The role of magmas in the formation of hydrothermal ore deposits. *Nature*, 370, 519-527.

Henry, C.D., and Aranda-Gomez, J.J. (1992). The real southern Basin and Range: Mid to late Cenozoic extension in Mexico: *Geology*, v. 20, p. 701-704.

Herrmann, W., Blake, M., Doyle, M., Huston, D., Kamprad, J., Merry, N., and Pontual, S., 2001. Short wavelength infrared (SWIR) spectral analysis of hydrothermal alteration zones associated with base metal sulfide deposits at Rosebery and western Tharsis, Tasmania, and highway-Reward , Queensland: *ECONOMIC GEOLOG*, v. 96, 9 1613-1629

<http://www.alamosgold.com/>

Hunt, G.R., Salisbury, J.W., y Lenhoff, C.J. 1971^a, Imágenes espectrales del infrarrojo visible y del infrarrojo cercano de minerales y rocas: III. Oxidos e hidróxidos: Modern Geology, v. 2, p. 195-205.

- 1971b, Imágenes espectrales del infrarrojo visible y del infrarrojo cercano de minerales y rocas: IV. Sulfuros y Sulfatos: Modern Geology, v. 3, p. 1-14.

-1971c, Imágenes espectrales del infrarrojo visible y del infrarrojo cercano de minerales y rocas: VI Silicatos adicionales: Modern Geology, v. 4, p.85-106.

J.J., Cocheme y A. Demant., 1991; Geology of the Yecora area, northern Sierra Madre Occidental, México. Geological Society of America, Special Paper 254

Jenkins, D.M. 1994. Geological Report on the La Virulea Project, Sonora State, Mexico for San Fernando Mining Company Ltd. Ainsworth – Jenkins Holdings Inc. – Consultants, Vancouver, BC. – *unpublished report*

King R.E., 1939; Geological reconnaissance in northern Sierra Madre Occidental of Mexico. Geol. Soc. Am. Bull., 50, p. 1625-1722.

Kodama, H., 1985, Imágenes espectrales del infrarrojo de minerales; guía de referencia para la identificación y caracterización de minerales para el estudio de suelos: Research Branch Agriculture Canada, Technical Bulletin 1985-1E, 197 p.

Koopman E., Hannington M., Santaguida F., Cameron B (1999). Petrología y geoquímica de alteraciones hidrotermales proximas en kidd Creek, Economic Geology Monograph, in press

Kruse, F.A. y Hauff, P.L., 1991, Identificación del zonamiento de diferentes tipos de illita en depósitos de oro diseminado usando el espectrómetro de reflectancia y la difracción con rayos X- potencial para el mapeo con espectrómetros: IEEE Transactions on Geoscience and Remote Sensing, v. 29, p. 1101-1104.

Leopold A, S., 1950 “Vegetations zones of México”, Ecology 1950 31(4)

Lindgren, W., 1922, A suggestion for the terminology of certain mineral deposits. Economic Geology, 17, 202-294.

Lindgren, W., 1933, Mineral Deposits. McGraw-Hill Book Co., New York. 930 p.

Lyon, R.J.P., 1962, Los minerales y el Infrarrojo-Una bibliografía crítica: Stanford, California, Stanford Research Institute, 76p.

Marel, H.W. y Beutelspacher, H., 1976, Atlas de la espectroscopia del infrarrojo y los minerales arcillosos y sus mezclas. Amsterdam, Elsevier, 396 p.

Marsh, S.E. y McKeon, J.B., 1983, Análisis integrado de los datos de alta resolución con espectroradiómetros de campo y aerotransportados para el mapeo de alteraciones: Economic Geology, v.78, p. 618-632.

Martinez, L.A.N. (2003). "La India" Triple "A" Una Nueva Oportunidad Dentro DeUn Viejo Distrito Minero, Municipicos de Sahuaripa y Arivechi, Son.

McDougall J.J. (1995). Progress Report #1 on La Viruela Project Sonora State, Mexico for San Fernando Mining Company Ltd. J.J. McDougall & Associates Ltd., 7720 Sunnydene Road, Richmond, BC, V6Y 1H1. – *unpublished report*

McDowell F.W., Claubaug S.E., 1979; Ignimbrites of the Sierra Madre Occidental and their relation to the tectonic history of Western Mexico. Geol. Soc. Amer. Spec. paper 180, p. 113-124.

McDowell, F. W., and Keiser, R. P., 1977, Timing of mid Tertiary volcanism in the Sierra Madre Occidental betwin Durango City and Mazatlan, México. Geological society of Americia Bulletin v 88, p. 1479 - 1487

McDowell F.W., Roldán Q.J., Amaya M.R., 1997; Interrelation Ship os sedimentary and volcanic deposits associated with tertrary extension in Sonora, Mexico

McDowell F.W., Roldán Q.J., Mora A.G., Amaya M.R., 1993; Oligocene-Miocene vulcanice history of south-central Sonora, Mexico. The geological society of America, V. 25, num 5.

Mitchell, A.H.G., Balce, G.R., 1990, An overview of epithermal gold mineralisation in the Philippines. In Hedenquist, J.W., White, N.C., Siddeley, G. (eds.), Epithermal gold mineralization of the Circum-Pacific: geology, geochemistry, origin and exploration, I. Journal of Geochemical Exploration, 35, 241-296.

Moenke, H., 1962, Spektralanalyse von mineralien und gesteinen; eine anleitung zur emissions und absorptionsspektroskopie: Leipzig, Akademie Verlagsges. (in German).

Moore S., 2006 Reporte técnico interno, Proyecto La India

Nesbitt, B.E., 1990, Fluid flow and chemical evolution in the genesis of hydrothermal ore deposits. In Nesbitt, B.E. (ed.), MAC Short Course on fluids in tectonically active regimes of the continental crust, Mineralogical Association of Canada, 261-297.

Ostrooumov, M (2001): Mineralogia Avanzada en México: conceptos, resultados, investigaciones futurs, Boletin de Mineralogia 14:7-16

Ostrooumov M, (2006)., Avances Recientes de espectrometria infrarroja en la Mineralogía Avanzada. Boletín de Mineralogía 17 (2006) 79-107. Departamento de Geología y mineralogía, instituto de investigaciones metalúrgicas, Universidad Michoacana de San Nicolás de Hidalgo.

Palmer, H. N., 1883, Mulatos mining camp: Reporte no publicado, 15 p.

Passos, R.V., y de Souza Filho, C.R., 1999, Mapeo mineral-espectral usando spectrometría de campo y la geometría de zonas de alteración hidrotermal

asociadas con mineralización de oro mesotermal: Un caso estudiado en el Depósito Brumal, Quadrilatero, Ferrifero, Brazil: International Conference on Applied Geologic Remote Sensing, 13th, ERIM International Inc., Proceedings, p. I-73-80.

Ponce, D.A., Glen, J.M.G., 2002, Relationship of epithermal gold deposits to large-scale fractures in Northern Nevada. *Economic Geology*, 97, 3–9.

Poreda, R., Craig, H., 1989, Helium isotope ratios in circum-Pacific volcanic arcs. *Nature*, 338, 473-478.

Reyes, A.G., 1990, Petrology of Philippine geothermal systems and the application of alteration mineralogy to their assessment. *Journal of Volcanology and Geothermal Research*, 43, 279-309.

Sarah J., W. Herrmann., B. Gemmell., Short Wavelength Spectral Characteristics of the HW Horizon: Implications for Exploration in the Myra Falls Volcanic Hosted Massive Sulfide Camp. Vancouver Island, British Columbia, Canada. *Society of Economic Geologist. Inc Economic Geology V 100*. pp 273-294

Siguenza A.J.M., 1982; Prospección geoquímica y mineralometrica de semidetalle de las anomalias de la Hoja D-67 Mulatos Sahuaripa, Son. Archivo Técnico, C. R.M.

Sillitoe, R. H., 1999, Styles of high-sulphidation gold, silver and copper mineralization in porphyry and epithermal environments; PACRIM'99 Conference Proceedings. The Australasian Institute of mining and metallurgy, Bali, Indonesia, October 1999 pp. 19-34.

Sillitoe, R.H., 1977, Metallic mineralization affiliated to subaerial volcanism: a review. *In Volcanic processes in ore genesis*. Institution of Mining and Metallurgy-Geological Society of London, 99-116

Sillitoe, R.H., 1988, Environments, styles and origins of gold deposits in western Pacific island arcs. *In Bicentennial Gold 88*, Geological Society of Australia, Abstracts22, 127-138.

Sillitoe, R.H. and Hedenquist, J.W., 2003, Linkages between volcanotectonic settings, ore-fluids compositions, and epithermal precious metal deposits; SEG Special Publication 10, pp. 315-343.

Sinclair B.J.,2000 Geology and genesis of the Batle zone VHMS deposits, Myra Falls District, British Colombia, Canada: unpublished Ph. D thesis, Illobart, University of Tasmania.

Staude J.G., 1995 Epithermal mineralization in the Sierra Madre Occidental and the Metallogeny of northwestern Mexico. Doctoral Thesis, University of Arizona Department of Geosciences

Staude, J.M. (2001). Geology, Geochemistry and Formation of Au-(Cu) Mineralization and Advanced Argillic Alteration in the Mulatos District, Sonora, Mexico: Society of Economic Geologists, SP8, 2001, p. 00-00.

Staude, J.-M., 1993, Gold, silver, and base metal epithermal mineral deposits around the Gulf of California, Mexico: relationship between mineralization and major structures. In Scott, R.W. Jr., Detra, P.S., Berger, B.S. (eds.), Advances related to United States and international mineral resources: developing frameworks and exploration technologies. U.S.G.S. Bulletin, 2039, 69-78.

Staude, J-M.G., 1994 Acid Sulfate gold systems of Mulatos District, Sonora; Northern Mexico's larguest gold system: Geological Society of America Abstraccts whit Programs v 26, no 7 p, A-142

Stewart, A. y Kamprad, J., 1997, Penetranddo la superficie de un regolito; Identificación de las rocas originales de rocas equivalentes intemperizadas, Eastern Goldfields, Western Australia: Australian Geological Survey Organisation Research Newsletter 26, May 1997, 6 p.

Teran M.G., 1982; Informe de la exploración de la mina "El Realito", en la asignación minera Puebla, Sahuaripa Son C.R.M.

Tompson, A.J.B., y Tompson J.F.H., 1996 Atlas de alteración: Atlas of Alteration: A Field and petrografic Guide to Hydrothermal Alteration Minerals. Geological Association of Canada, Mineral Deposits Division, pag 7-12

Wark, D.A., Kempter, K.A., and McDowell, F.W. (1990). Evolution of waning, subduction-related magmatism,northern Sierra Madre Occidental, Mexico: Geological Society of America Bulletin, v. 102, p. 1555-1564.

White, N.C., Hedenquist, J.W., 1990, Epithermal environments and styles of mineralization: variations and their causes, and guidelines for exploration. In Hedenquist, J.W.,

White, N.C., Siddeley, G. (eds.), Epithermal gold mineralization of the Circum-Pacific: geology, geochemistry, origin and exploration, II. Journal of Geochemical Exploration, 36, 445-474.

Wisser, E., 1966, The Epithermal Precious Metal Province of Northwest México, Nevada Bureau of Mines Report 13, pt. C p 63-92

Zhang, G., Pan, Y. y Chen, N., 1998, Un estudio de la espectroscopía de reflectancia de onda corta del Infrarrojo (SWIR) de un grupo de minerales de kaolinita en el Athabasca basin, Saskatchewan (abs): Geological Association of Canada and Mineralogical Association of Canada Abstract Volume, Quebec 1998, Abstracts, p. A-203.