

# ***SHEA CLARK SMITH***

## **PUBLICATIONS**

**Energizing Alaska's Mineral Industry, Abstracts, Alaska Miners Association, 2006 Annual Convention, November 6 - 11, 2006, Sheraton Anchorage Hotel, Anchorage, Alaska, Short Course 2: "Advanced Geochemical Techniques for Alaska", Instructors: Pierrette Prince, Walter Grondin, Mary Doherty, Brenda Caughlin, Shea Clark Smith, and Andrew Grosz.**

**"Discovery using metal concentrations in plants, Rosebud Mine, Pershing County, Nevada", Smith, Shea Clark and Vance, Randall B., 2005, in Rhoden, H.N., Steininger, R.C., and Vikre, P.G., eds., Geological Society of Nevada Symposium 2005; Window to the World, Reno, Nevada, May 2005, p. 1225-1240.**

**"Gardnerville Ranchos G.I.D. Wellhead Protection Implementation Project", S.C. Smith and Arthur R. Leger, Nevada Department of Environmental Protection, Research Grant to develop a biogeochemical method for determining ground water quality, December 12, 2005.**

**"Stagecoach Biogeochemical Survey, Final Report", S.C. Smith, Nevada Department of Environmental Protection, Research Grant to develop a biogeochemical method for determining ground water quality, July 12, 2004.**

**"Speciated Mercury in Mineral Exploration", S.C. Smith, presented as a poster at the 17th IGES, February 2004, Dublin, Ireland.**

**"Biogeochemistry in Mineral Exploration", S.C. Smith, presented as a short course at the 17th IGES, February 2004, Dublin, Ireland.**

**"Biogeochemistry in Mineral Exploration", S.C. Smith, presented at SEG Exploration Technology: Discover thru Innovation Workshop, April, 2002, Denver, Colorado.**

**"Speciated Mercury in Mineral Exploration", S.C. Smith, presented at SME Annual Meeting, Geochemistry Session, February 2002, Phoenix, Arizona.**

**"Methods of quality assurance and quality control for geochemical data: A case history from an epithermal gold prospect in north-central Nevada", S.C. Smith, presented at the 1995 SME/AIME Annual Meeting, Geochemistry Session, Denver, Colorado.**

**"Biogeochemistry: Lessons of the Past Decade", S.C. Smith, presented at the 1993 SEG Conference on Integrated Methods in Exploration & Discovery, Denver, Colorado, April 18, 1993, (Abstract).**

**"Biogeochemical Prospecting", S.C. Smith, 1993, McGraw Hill 1993 Yearbook of Science and Technology, New York: McGraw Hill Book Company, 1992. p.346-348.**

**"Biogeochemical guides to concealed gold occurrences,**

southeastern Arizona", K. Ballaweg and S.C. Smith, presented at the 1992 SME/AIME Annual Meeting, Geochemistry Session, Phoenix, Arizona, (Abstract).

"Gold patterns in Big Sagebrush over the Cx and Mag deposits, Pinson Mine, Humboldt County, Nevada", S.C. Smith and E.L. Kretschmer, *J. Geochem. Explor.* 46(1992) 147-161.

"Dispersion of soil gas around micron gold deposits", S.E. Kesler, M.J. Gerdenich, R.C. Steininger and S.C. Smith, 1990 *J. Geochem. Explor.* 38 (1/2): 117-132.

"Biogeochemical results from an orientation survey over the 8 South Deposit, Marigold Mine, Humboldt County, Nevada", S.C. Smith, presented at the 1989 SME/AIME Annual Meeting, Geochemistry Session, Las Vegas, Nevada.

"Biogeochemical and soil geochemical methods applied to massive sulfide exploration at Parmachenee, Maine", S.C. Smith and R.E. Fournier, 1986, In: D. Carlisle, W. L. Berry, I.R. Kaplan and J.R. Waterson (Editors), *Mineral Exploration: Biological Systems and Organic Matter, Rubey Volume V*, Prentice-Hall, Englewood Cliffs, New Jersey, 465 p.

"Base metals and mercury in bryophytes and stream sediments from Chandalar Quadrangle, Alaska", S.C. Smith, 1986, *J. Geochem. Explor.* 25(3) 345-366

"Mount St. Helens May 18, 1980, Ashfall: Impact on minerals exploration geochemistry in Washington, Idaho, and Montana", S.C. Smith, presented at the 183rd National Meeting of the American Chemical Society, Geochemistry Division (April, 1982), Las Vegas, Nevada.

"Computer reporting of analytical geochemistry (CRAG): A system for rapid and direct transfer of data for reporting, statistics and plotting", S.A. Moreno, S.C. Smith C.I. Huang, G. Waldevogle, in 17th Symposium on Application of Computer Methods in the Mineral Industry (APCOM), T.B. Johnson, R.J. Barnes, editors, AIME/SME April 17, 1982.

"Geochemical and generalized geologic map showing distribution and abundance of zinc (nickel, cobalt, yttrium, lanthanum, molybdenum, copper, lead, barium, arsenic, boron, vanadium, antimony, niobium) in stream sediments in the Chandalar Quadrangle, Alaska", S.P. Marsh, D.E. Detra, S.C. Smith, 1978, USGS Misc. Field Studies Map(s), MF-878d, MF-878e, MF-878f, MF-878g, MF-878h.

"Spectrographic analyses of heavy mineral concentrate samples and chemical analysis of organic samples from Chandalar Quadrangle, Alaska", D.E. Detra, S.C. Smith

**D.A. Risoli, G.W. Day, 1977, USGS  
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