

MELVIN ALLEN HERDRICK

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Professional geologist and member of SME-AIME professional mining organization with over 35 years' experience in mineral exploration and project development. Extensive expertise in the discovery, exploration and development of mineral deposits in Mexico and the US including three currently in operation and one in pre-production.

Strong background in the evaluation of technical feasibility and economic viability of mineral deposits with specific focus on gold, silver and copper.

PROFESSIONAL EXPERIENCE

Sonoro Metals Corp.

2011 to Present

VP Exploration

- Responsible for the development and implementation of all exploration programs at company's mineral deposits
- Identified multiple clusters of northwest trending gold-dominant structures surrounded by parallel sheeted veinlets and stockwork veinlets at Cerro Caliche property
- Performed surface and underground sampling program of the main mineralized shear vein at the company's Chipriona property leading to its acquisition by Agnico Eagle Mines in 2016

Pediment Gold Corp.

2006 to 2011

VP Geologist

- Lead discovery and exploration programs on multiply gold, silver and copper sites in Mexico until the company was acquired by Argonaut Gold in 2006
- Discovered the two-million-ounce Los Planes deposit at the San Antonio gold project in Baja California Sur
- Identified one-million ounces of gold with significant silver at the closed La Colorado mine now back in operation

Phelps Dodge, Mexico

1994 to 2003

Chief Geologist

- Responsible for project generation and exploration
- Exploration geologist at the Morenci open pit copper mine in Arizona and Tyrone open pit copper mine in New Mexico
- Lead discovery and exploration programs on multiply projects including the La Florida-Barrigon and Piedras Verdes copper deposits in Mexico
- Served as exploration geologist for the company in Peru, Guatemala and China

Geology Consultant	1973 to 1994
Client List	
• Great Basin Exploration	1993 to 1994
• Weyerhaeuser Corp.	1991 to 1993
• LeLand Tree Farms Inc.	1988 to 1992
• Morning Star Mining Co.	1987 to 1992
• Sundance Mining Development, Idaho Goldfields	1986 to 1990
• Vulcan Mtn. Inc.	1980 to 1986
• Chevron Minerals	1979 to 1980
• Colville Indian Agency	1978 to 1979
• Homestake Mining Co	1977 to 1978
• St. Joe Minerals	1976 to 1978
• Kennecott Mining	1974 to 1977
• Sunshine Mining Co.	1973to 1974

EDUCATION

University of Idaho	1972
Master of Science in Geology	
Washington State University	1966
Bachelor of Science in Geology	

HONORS AND AWARDS

Resource Stewardship Award	1986
U.S. Dept. Interior, B.L.M Oregon-Washington Responsible Operating Mine	

PUBLICATIONS

Herdrick, M.A. and Giroux, G.H., 2009, Technical Report and Resource Update, San Antonio Gold Project, Baja California Sur; Consultant Report for Pediment Gold Corp.; Published SEDAR for Pediment Gold Corp.

Carr, D., Williamson, A, Lee, J., Herdrick, M, and Waldar, I., 2003, Naturally occurring poor quality spring water associated with copper deposits in the southwest US, presented with abs. Feb. 2003 SME Annual Meeting, Cinn. Ohio

Lee, J.S., and Herdrick, M.A., 2001, Manganese Mineralization of the Gold Gulch drainage basin, Morenci Mining District, AZ, Phelps Dodge Co. report presented as public document filed with EPA.

Herdrick, M.A., White, R., and Lowrey, R., 1995, Chapi mine area investigation: Geology, Mineralization, and Capping Evaluation of Chapi Sulfide System, Peru; Phelps Dodge Peru Internal Company Report: 21p

Herdrick, M.A., 1987, Geology and Mining at the Gold Dike Mine in the Shasket Cr. Alkaline complex, Ferry Co. WA, AIME Annual meeting, Denver CO, presented Feb. 1987 with abs.

Herdrick, M.A., 1985, Gold Dike Mine, Heap Leach gold mining in Ferry Co., WA, AIME Pacific NW Metals and Minerals Conference, presented April 25, 1985 with abs.

Herdrick M.A. and Bunning, B.B., 1984, Geology of the Gold Dike Mine, Ferry Co. WA, Washington Geologic Newsletter, vol. 12, no.1, p. 20-23.

Herdrick, M.A., 1972, Geology of the Reindeer Hills Area, Central Alaska Range, Alaska, M.S. Thesis University of Idaho, Moscow ID, 64 p. and plates.

LANGUAGES

English: Native Language

Spanish: Competent