

Dave Heberlein

Applied Exploration Geochemistry Experience

I have been a consulting exploration geochemist for 12 years (2008-present). Prior to that I was Chief Geochemist – Global Exploration for Barrick Gold Corp (2002-2007).

I received my B.Sc. Hons. degree from Southampton University in the UK and completed a bachelor's thesis on litho-geochemistry of VMS deposits in the Iberian pyrite belt. My M.Sc. (under the supervision of K Fletcher, Al Sinclair and Colin Godwin) involved litho-geochemical studies of leached capping and supergene enrichment at the Berg porphyry Cu-Mo deposit in Central BC.

At Barrick my main areas of focus were: a) development of a company-wide QAQC program, b) investigation of deep penetrating geochemistry methods for covered environments globally; and c) in-house training of exploration geologists.

In my current role, I provide consulting services in exploration geochemistry to the global mining industry. Working for both major and junior companies, I provide consulting services in QAQC and laboratory auditing, geochemical survey design, sampling, analytical methods, data interpretation and GIS integration. I also provide training to industry in the form of public and private short courses.

Recent research activities include participation in several Geoscience BC funded studies into deep penetrating geochemical methods applicable porphyry exploration in the glaciated regions of central BC. In collaboration with Colin Dunn, I have been involved in studies of the applicability of plant exudates as geochemical sampling media and the uses of halogens as pathfinder elements in organic-rich media.

I am a registered Professional Geoscientist in BC.

Additional information is available on request.