

Brian Townley – Chile

Dr. Townley is an Associate Professor of Geology at the University of Chile with over 25 years' research experience in mineral deposits, Chilean metallogenesis and applied geochemistry. In the past ten years he has presented or published over 25 papers related to applied geochemistry, ore deposits and mineral exploration in Chile. Currently he is researching the continuity of the Miocene porphyry copper belt south of El Teniente, as well as Upper Cretaceous porphyry copper deposits near the Maule River. He is also carrying out research studies at Los Bronces, regarding hydrothermal alteration modeling, mineral characterization and geometallurgy.

During his career, he has done consulting and applied research work for BHP-Billiton, Codelco, Yamana Gold, Angloamerican, Barrick, Antofagasta Minerals, Soquimich, and many others, either for exploration and/or geometallurgy. These activities have been carried out in districts such as Escondida, Cerro Colorado, Spence, Chuquicamata, El Salvador, Los Pelambres, Rio Blanco – Los Bronces, El Teniente, Rosario de Rengo, El Peñon, among others. In his research work he has led state, state/private partnerships and private funded projects, as well as AMIRA International multi-client projects, all with a strong applied research component. Transfer of knowledge, in addition to papers, has been focused by means of regular Diploma program short courses, as well as on site short courses and workshops for industry, in Chile and America, including Argentina, Peru, Bolivia, Brazil and Canada. In parallel to mining industry related research, Dr. Townley presently leads a state funded research project on the impacts of geology, mineralogy and geochemistry on vine cultivation and wine as part of the Vinos de Chile wine industry consortium.