
Project Hydrogeologist

Expertise Hydrogeologist and Geological Engineer with 13 years of experience working as a consultant for mining and engineering companies.

Education International Course on Underground Hydrology, 2019
International Center for Underground Hydrology Foundation, Spain

Master in Geological Resources and Geotechnics, 2013
University of Oviedo, Spain

Geologist (revalidation), 2014
University of Chile, Chile

Geological Engineer, 2010
Complutense University of Madrid, Spain

Professional Experience

2018 – Present Itasca SpA, Santiago, Chile
Project Hydrogeologist

2017 – 2018 Amphos 21 Consulting Chile Ltda, Santiago, Chile
Project Hydrogeologist

2012 – 2017 Inzamac Chile S.A., Santiago, Chile
Geotechnical Engineer

2011 – 2012 Inzamac Asistencias Técnicas, Spain
Geotechnical Engineer

Project Experience

Mining Hydrogeology: Supervision during water well drilling, stratigraphy description, recommendation of the most appropriate well completion, execution of individual and simultaneous pumping tests, installation of vibrating wire sensors in piezometers, geophysical interpretation, and analysis of field results for report preparation. Development of conceptual and numerical hydrogeological models using MineDW. Proficient in software such as QGIS, Leapfrog, and other supporting tools.

Hydrochemistry: Conducting hydrochemical studies through water sampling, measurement of physicochemical parameters in the field, and analysis of field data for interpretation and report preparation.

Geochemistry: Design of geochemical survey campaigns for tailings deposits, waste dumps, underground mining, and open pits; interpretation of results from static, mineralogical, and kinetic tests.

Geotechnics: Coordination of work teams, planning, supervision, and execution of field investigations such as test pits, boreholes, hydraulic tests, geophysical surveys, and sampling. Analysis of in situ and laboratory test results, followed by interpretation and report writing.