

Geologist specialized in Hydrogeology

Expertise Hydrogeology, Supervision of hydrogeological wells, Management of Qgis Software, Aquachem, Illustrator and Photoshop.

Education Diploma in Environmental Management, 2021
DuocUC Professional Institute, Santiago, Chile

Degree in Geology, 2020
Andrés Bello University, Santiago, Chile

Professional Experience

2022 – Present Itasca Chile SpA, Santiago, Chile
Geologist specialized in Hydrogeology

2020 Quinta Ingeniería y Construcción, Santiago, Chile
Geologist-Technical Office

2016 – 2019 Universidad Andrés Bello, Santiago, Chile
Laboratory assistant, Mineralogy

Project Experience

Hydrogeology: Development of hydrogeological conceptual models used as the basis for numerical model construction. Participated in the analysis and systematization of field data, including drilling records, hydraulic test results, and hydrochemical characterization.

Supervision of hydrogeological wells: Has carried out supervisory roles in hydrogeological field campaigns within mining contexts, leading activities related to the drilling of wells for abstraction, monitoring, and observation, both in operational areas such as open pits and thickened tailings deposits (DRE). Has overseen drilling operations performed using various methods, including down-the-hole hammer (percussion), reverse circulation, sonic, and diamond drilling, ensuring compliance with technical and safety standards.

Experienced in granulometric description of soil profiles, supervision of hydraulic tests (Lefranc and Lugeon), and the design of well completions according to the specific constructive and hydrogeological conditions of each site. Has coordinated hydrochemical sampling campaigns, directly participating in sample collection, and has hands-on experience operating downhole video inspection equipment. Additionally, has prepared technical well construction reports, ensuring traceability and quality of field-collected data.

Technical Software Skills: Advanced proficiency in QGIS for thematic cartography, spatial analysis, and production of technical maps. Skilled in the use of AquaChem for processing and interpreting hydrochemical data through Piper and Stiff diagrams and water quality assessments. Strong experience with Microsoft Excel for structuring, analyzing, and visualizing technical and hydrogeological data.

Design Tools: Proficient in Adobe Illustrator and Photoshop for creating technical diagrams, interpretive figures, and supporting graphics for reports and presentations.