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Dr. Danny Coutts

Danny is a Calgary-based Research Scientist at the Geological Survey of Canada with experience across a broad range of exploration, from precious metals to off-shore oil and gas. His PhD research focused on understanding basin to hinterland connections in the Nanaimo Basin (Gulf Islands, Canada), tying detailed basin evolution to cordilleran orogenesis using classic field methods and novel numeric models. Danny spent two years working at Sabina Gold and Silver then B2 Gold on various field and data-driven projects including digital outcrop detection and prospectivity mapping. Danny applies machine learning techniques to test geologic hypothesis and build models based on expert knowledge to answer pointed questions that matter to stakeholders. His current work at the geological survey involves leveraging novel geologic data sources into machine learning frameworks to understand critical minerals across Canada. Danny is a graduate of the University of Calgary (BSc, PhD).