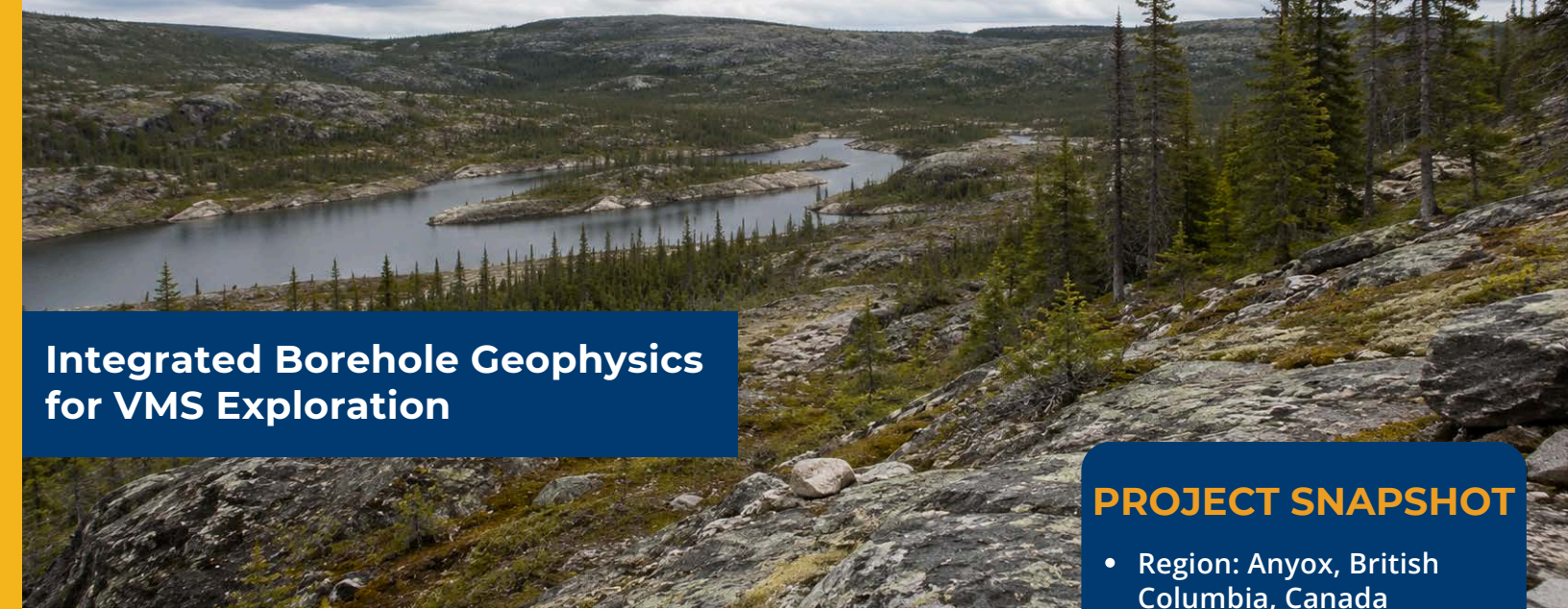




Integrated Borehole Geophysics for VMS Exploration

Project Overview

DGI completed an integrated borehole geophysics program at the Anyox Project in northwestern British Columbia. Optical Televiwer (OTV) imaging and physical rock property surveys were used to characterize structural features, lithology, and geophysical properties, supporting geological interpretation and exploration within a volcanogenic massive sulfide (VMS) system.

Challenges

- Required detailed structural, lithological, and physical property characterization across multiple drill holes.
- Needed high-resolution imaging and continuous geophysical measurements to improve understanding of subsurface geology.
- Challenging field conditions, including helicopter access and variable borehole water clarity, required a robust logging approach.

DGI Approach

- Completed integrated borehole geophysical surveys across three drill holes using Optical Televiwer (OTV) and physical rock property logging.
- Collected Resistivity/Elog, Induced Polarization (IP), Magnetic Susceptibility (Mag Susc), and Fluid Temperature/Conductivity (FTC) data to characterize lithology and geologic structure.
- Delivered integrated datasets to support geological and geophysical interpretation.

Project Outcomes

- Delivered comprehensive structural datasets supporting geological and geomechanical interpretation.
- Identified dominant structural orientations across the property, improving understanding of the site's structural framework.
- Produced integrated structural and assay correlation datasets to help evaluate controls on gold mineralization and inform future exploration drilling.

PROJECT SNAPSHOT

- Region: Anyox, British Columbia, Canada
- Commodity: Copper (VMS)
- Rock Type: Jurassic mafic volcanic and sedimentary rocks
- Operation Type: Exploration
- DGI Solution: Optical Televiwer, Resistivity, Induced Polarization, Magnetic Susceptibility, Fluid Conductivity & Temperature