

Frontier Geosciences Inc. was established in 1985 to offer comprehensive geophysical consulting and survey services to the mineral exploration, geotechnical engineering, marine, groundwater, and environmental communities. The company staff have completed over one thousand projects in climates and terrain as diverse as arctic tundra to tropical rain forest. These investigations involved the application of methods drawn from the full range of terrestrial geophysical techniques that include 2D and 3D seismic reflection, electromagnetic induction and resistivity imaging, Induced Polarisation, seismic and EM tomography, ground penetrating radar, seismic refraction, potential field and borehole methods.



Surveys have been carried out for mineralisation mapping, delineation of buried surfaces, rock mass classification, detection of buried metals, mapping of soil and rock types, groundwater detection and contaminants mapping, permafrost delineation, seepage conditions, void detection, physical properties, structural mapping and ore body delineation. Marine investigations include bathymetric surveys, acoustic sub-bottom profile surveys, overwater refraction surveys and side and sector scan sonar investigations.

Clients include mining companies, geotechnical and groundwater consultants, civil engineering firms, environmental companies, provincial and federal governments and agencies, consulting geologists, construction companies, public utilities, pipeline companies, drilling contractors and oil companies.



Principals of the company are Russell Hillman, P.Eng., and Cliff Candy, P.Geo. Mr. Hillman has over 28 years of experience and Mr. Candy has 24 years of experience in the application of geophysical methods to high resolution mapping of mineralisation and for engineering, groundwater, marine and environmental applications. Strategic alliances and partnerships, locally, and in the USA, provide increased geographic reach, and expertise in allied fields.

The company maintains an active program of research and development. Current high speed multi-channel data acquisition technologies have been employed in the development of an overwater marine seismic reflection instrument, borehole seismic system, crosshole electromagnetic system, full waveform IP and in several specialised non-destructive testing and infrastructure evaluation and monitoring systems.

