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Roger C. Paulen

Research Scientist

Geological Survey of Canada

Raised on Cape Breton Island

BSc in Geology at Mount Allison University

MSc & PhD in Earth Sciences at University of Waterloo

- Worked for provincial geological survey in British Columbia 1998-2001
- Worked for provincial geological survey in Alberta 2001-2008
- Joined the GSC as a Research Scientist at the onset of the GEM Program in 2008 (until present).

Roger has conducted surficial mapping and drift prospecting research in the Canadian Shield (Arctic and Boreal environments), Canadian Cordillera and Western Canada Sedimentary Basin. He has published papers with expertise in surficial mapping, drift prospecting and process glacial sedimentology.

Current research is using isotopes and trace-element geochemistry on base metal indicator minerals for provenance and mineral-type tracing in glaciated terrain. Also is researching the long-distance glacial transport of indicator minerals by fast flowing ice (ice streams) and the application of micro-morphology for till-forming processes.

Lead editor and contributing author of a GAC publication on Drift Exploration in Western Canada. Recent contributor of drift prospecting chapter for a new textbook: Past Glacial Environments (Menzies and Van der Meer).