

Foreword

Geological Fieldwork 2012

This is the thirty-eighth edition of **Geological Fieldwork**, a volume of peer-reviewed papers that present the results of geological research conducted by the **British Columbia Geological Survey (BCGS)** and its partners in 2012. The papers address different aspects of British Columbia's geology, highlighting the enormous mineral wealth of the Province. The BCGS helps to unlock this mineral wealth by providing comprehensive, objective, and up-to-date geoscience information, advice, and knowledge to the minerals industry. The annual Geological Fieldwork publication is an important way that the BCGS delivers this help.

In late 2012, the Government of British Columbia expanded the name of the Ministry of Energy and Mines (MEM) to the Ministry of Energy, Mines and Natural Gas (MEMNG). This expansion was accompanied by the return of some employees from the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO). Importantly for the BCGS, the five geologists that deliver the Regional Geologists Program rejoined the Mines and Mineral Resources Division in MEMNG.

British Columbia Geological Survey activity highlights

Research

- Three “Edges” field mapping projects in their 4th and final years were completed. These projects were delivered with the Geological Survey of Canada (GSC) under the auspices of the Geo-mapping for Energy and Minerals program (2009-2013).
- Fieldwork continued on four projects, as part of the GSC's Targeted Geoscience Initiative program (TGI4).
- BCGS geologists published seven Open Files, nine Geofiles, and ten external papers.

Outreach at conferences and workshops

- Survey geologists presented at conferences and workshops including Roundup, PDAC, KEG, GACMAC, CIM, Goldschmidt, Minerals South, Yukon Geoscience Forum, Minerals North, and the Smithers Rock Talk.
- The BCGS co-hosted the 38th annual Cordilleran Tectonics Workshop in Victoria. It was attended by 110 scientists who delivered 50 talks and posters.
- The BCGS Open House was held in Victoria and attracted over 130 geoscientists.
- Staff of the BC Mineral Development Office in Vancouver hosted various investor delegations and participated in the Asia Investment Mission to China and Korea, the Pan-Canadian Mining Session in London (England), and the China Mining Conference in Beijing.

Data archiving and access

- Over 870 heritage COALFILE paper documents were inventoried to locate missing components and ensure complete online access.
- The Property File database now features more than 34 270 documents online.
- MINFILE continues to expand: over 1560 occurrences were updated and 1035 occurrences were added.

Renewal

- Six permanent and four temporary positions were filled.
- The Survey's in-house geochemical laboratory was completely refurbished with new rock saws, fume hoods, a Linkam THMS 600 fluid inclusion heating/freezing stage, and a portable bench-top Thermo Scientific Niton XRF analyzer.
- A new rock storage facility and archive was constructed to accommodate over 600,000 geochemical pulps and rock and soil samples.

Awards

- Dr. Ray Lett (BCGS Emeritus Scientist) was a finalist for a 2012 “Premier's Award”, in the Legacy category.
- Thirteen past and present BCGS geoscientists who worked on creating MapPlace were finalists for a 2012 “Premier's Award”, in the Innovation category.

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