

# Preface

## Geological Fieldwork 2017

The 43rd edition of **Geological Fieldwork** is a volume of peer-reviewed papers that presents the results of geological research conducted by the **British Columbia Geological Survey** (BCGS) and its partners in 2017. The volume provides new geoscience information at no cost to the public. Many geoscience projects in 2017 were collaborations with partners including the Geological Survey of Canada (GSC), the University of Victoria, and the University of British Columbia.

Papers in the volume address various aspects of British Columbia's geology, with an emphasis on regional geological studies and mineral systems. Papers also include method development studies related to field mapping and online digital delivery, indicator mineral surveys, and 3D computer models for estimating depth to bedrock in areas of thick glacial cover. Collaboration between the BCGS and the GSC focused on the second iteration of the five-year Geo-mapping for Energy and Minerals program (GEM 2) and the fifth iteration of the Targeted Geoscience Initiative (TGI-5) program. The GEM 2 program saw Survey geologists investigating the bedrock geology and crustal architecture of northern BC to better understand the genesis and distribution of Jurassic and Triassic porphyry copper-gold-molybdenum deposits. The TGI-5 projects continued in 2017, with an investigation of the relationship between the Llewellyn fault, Tally-Ho shear zone, and gold mineralization in northwest BC and Yukon. The BCGS also expanded its field mapping program in 2017, with investigations in the Spanish Lake, McBride River, Trembleur Lake (Decar) and Iskut River areas.

Survey staff delivered MapPlace 2 workshops at the Mineral Exploration Roundup conference and the Kamloops Exploration Group (KEG) meeting in 2017, following the launch of MapPlace 2 at the 2016 BCGS Open House. In addition, Survey staff took the lead in publishing a special volume titled 'Indicator Minerals in Till and Stream Sediments of the Canadian Cordillera'. This volume stems from a workshop given at the 2016 Geological Association of Canada–Mineralogical Association of Canada (GAC-MAC) annual meeting in Whitehorse, Yukon. The publication fills a notable knowledge gap on the use of indicator minerals in the Canadian Cordillera. We hope that it serves as a user guide and encourages the wider application of indicator minerals by the exploration community.

In November, the BCGS held its annual Open House in Victoria, featuring technical talks and posters by research scientists from the BCGS, GSC and the University of Victoria. A highlight of 2017 was the formal recognition of research done by BCGS staff with two awards. Drs. Mao Mao, Alexei Rukhlov and Steve Rowins, together with Jody Spence and Laurence Coogan from the University of Victoria, won the Brian J. Skinner Award for the 'Best Paper' published in *Economic Geology* in 2016. The award was presented to Mao in September at the Society of Economic Geologists annual meeting in Beijing, China. Another award went to JoAnne Nelson who received the 2017 Provincial and Territorial Geologists Medal. The Medal is presented annually by the Committee of Provincial and Territorial Geologists to an individual for outstanding work at one of Canada's provincial or territorial geological surveys. JoAnne accepted her medal at the annual Energy and Mines Ministers meeting in St. Andrews, New Brunswick, and will be embarking on a nationwide lecture tour in 2018.

Finally, the past year saw a change in government and an expansion of the Ministry from 'Energy and Mines' to 'Energy, Mines and Petroleum Resources', a name familiar to many both inside and outside of government. The role of the BCGS, however, remains the same.



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