

Geoscience BC Program Activities, 2006

Geoscience BC is pleased to present progress reports from projects funded during the spring and summer of 2006. These reports are also available as colour digital files in Adobe Acrobat PDF format from the British Columbia Ministry of Energy, Mines and Petroleum Resources website at http://www.em.gov.bc.ca/Mining/Geosurv/Publications/catalog/cat_fldwk.htm

Geoscience BC is an industry-led, industry-focused, not-for-profit society that works in partnership with industry, academia, government, First Nations and communities to attract mineral and oil and gas investment to BC. Its mandate includes the collection, interpretation, and delivery of geoscience data and expertise, to promote investment in resource exploration and development in BC.

The Geoscience BC projects presented in *Geological Fieldwork 2006* include

- regional geochemical survey programs in central and northeastern BC;
- regional geophysical survey programs in central and northern BC;
- mapping and mineral potential studies on Vancouver Island and in central and southwestern BC;
- hydrocarbon potential studies for the Bowser, Sustut, Methow, and Nechako Basins; and
- an Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) imagery project.

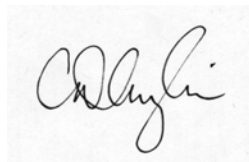
A number of the projects reported in the *Geological Fieldwork 2005* volume were completed during this past year, including three lake sediment and water geochemical surveys that cover the Anahim Lake and Nechako Plateau map sheets, as well as NTS areas 82N, 83C, 83D and 83E in southeastern BC. These surveys fill in some of the gaps in the regional geochemical database for British Columbia. In addition, two projects were undertaken to investigate new geochemical methodologies for detecting buried mineral deposits, and Phase I of a two phase ASTER imagery project, aimed at increasing the ASTER image database available through MapPlace, was completed.

Following completion of all projects, final data and reports can be downloaded from the Ministry of Energy, Mines and Petroleum (MEMPR) website at http://www.em.gov.bc.ca/Mining/Geosurv/Publications/catalog/cat_gbc.htm or from MEMPR's digital MapPlace database.

These reports highlight the high-quality collaborative projects that are underway with a variety of partners, including graduate and undergraduate students. The results of these projects will enhance the geoscience database for the province of British Columbia and encourage new exploration for minerals, oil and gas. Increased claim staking and increased exploration expenditures have been recorded in response to data releases by Geoscience BC.

Geoscience BC encourages creative partnerships on all projects. The Bonaparte Lake geophysical survey was initiated by a proposal received from the Whispering Pines – Clinton Indian Band to carry out a multiparameter geophysical survey over their traditional territory. In partnership with the federal government's Targeted Geoscience Initiative and several companies, and with the support of the Indian Band, Geoscience BC engaged the federal government to contract and manage a combined aeromagnetic-radiometric geophysical survey of the eastern half of the Bonaparte Lake map sheet.

Geoscience BC would like to thank the authors of the Geoscience BC reports for their contribution towards enhancing the geological database of British Columbia through their participation in these projects, and for the timely reporting of preliminary results. Geoscience BC would like also to thank RnD Technical for their editorial and production services and the BC Geological Survey, in particular Brian Grant, for help and support in preparing the Geoscience BC publications and for publishing these papers in the *Geological Fieldwork* volume.



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