

## FOREWORD

The British Columbia Ministry of Energy and Mines annually publishes **Geological Fieldwork: a Summary of Fieldwork and Current Research** to present the results of provincial geoscience surveys completed in the previous year. This is the twenty-eighth edition. British Columbia Geological Survey staff contribute most of the articles in the volume. This year, the Ministry's New Ventures Branch provided articles on energy-related topics, in addition to those articles contributed by Geological Survey of Canada, university and industry authors.

This year's volume is shorter than those published in recent years, reflecting reduced government funding for geoscience field activities. The Ministry initiated formal partnership programs with industry in 2002 to partially address this problem. These private-public partnerships have produced four articles and additional data will be released as separate publications later this year. As in previous years, the Geological Survey of Canada was a strong partner with respect to field surveys. Their staff have co-authored or written seven of the articles, which discuss results from major projects in the Atlin, Bella Coola and Bowser Basin areas of the province. Eight articles on energy and industrial minerals complete the volume. Some of the highlights of this year's volume are:

- Reports on bedrock mapping activity from the Atlin and Bella Coola projects completed jointly with the Geological Survey of Canada as part of their Targeted Geoscience Initiative.
- A description and interpretation of the Joss'alun mineral occurrence discovered by a Ministry of Energy and Mines field crew, which led to a mini-staking rush in the northwest.
- Discussions of the styles of gold mineralization on the Axelgold, Hawk and Kena gold properties with comments regarding regional exploration implications.
- The identification of mineral exploration targets using the recently released, Regional Geochemical Survey data from the Bella Coola area, another Targeted Geoscience Initiative co-funded by the Geological Survey of Canada.
- An extension of new stratigraphic and structural interpretations for the Snowshoe Group from the Cariboo Lake area into the Wells gold mining camp.
- An overview of the coalbed methane potential of British Columbia's Tertiary basins.
- A review of potential CO<sub>2</sub> sequestration techniques.
- Preliminary description and characterization of live oil staining in Bowser Lake sediments.

Over the past year the Ministry of Energy and Mines published 2 new bulletins, 16 Open Files including three maps covering the Ecstall belt near Prince Rupert, 4 new Geoscience Maps, Exploration and Mining in BC 2001, 2 Regional Geochemistry Survey data releases, 7 GeoFiles and other brochures and products. The British Columbia Geological Survey also continued to improve and add new data layers and features to MapPlace, its web-based interactive mapping system.



A former employee of the British Columbia Geological Survey Branch, Dr. Trygve Høy, received the Provincial Geologists Medal in 2002 in recognition of a career devoted to documenting and deciphering the geology of southeastern British Columbia. This medal is awarded to recognize major contributions to geoscience research by a staff member of a provincial or territorial survey. Trygve Høy is the first British Columbian and only the fourth recipient of this prestigious national award. During his 28 years with the British Columbia Geological Survey he was a prolific producer of maps and insightful scientific reports that have illuminated our understanding of the geology and mineral deposits of the southeastern Canadian Cordillera.

Our thanks to all the authors whose professional skills in the field and office make this publication possible. The articles have been improved by peer and management review. Special thanks go to Janet Holland and Brian Grant who combine their publications duties with many other responsibilities and have worked long hours to meet difficult deadlines.

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