



British Columbia Geological Survey
Geological Fieldwork 1997

Selected Mineral Deposit Profiles

BRITISH COLUMBIA MINERAL DEPOSIT PROFILES

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INTRODUCTION

Seventeen deposit profiles are included in this volume (see following articles), bringing the total number of descriptive models completed by the British Columbia Geological Survey to 76. These profiles provide a concise introduction to deposit types that are found in Cordilleran environments.

The initial 60 profiles were published in two Open File publications (Lefebure and Ray, 1995, Lefebure and Höy, 1996) and have also been posted to the following British Columbia Geological Survey web site under the Economic Geology section.

<http://www.ei.gov.bc.ca/geology/>

Survey staff are continuing to work towards completing approximately 50 more deposit models. This is being done in conjunction with geologists from industry, government and academia. The BCGS welcomes any criticisms of the deposit profiles which will be used to improve future versions.

B.C. DEPOSIT PROFILES

The British Columbia Geological Survey (BCGS) started a provincial mineral potential assessment in 1992. A fundamental part of this process was the compilation of information concerning British Columbia's mineral deposits, including descriptions, classification and resource data. A large number of in-house models were developed for deposit types found in the Cordillera of North and South America. These are called 'deposit profiles' to distinguish them from other published descriptions, such as the United States Geological Survey (USGS) 'deposit models' (Cox and Singer, 1986). They have a standard format (Lefebure and Ray, 1995) intended to make them useful to geologists, prospectors and students, as well as land use planners.

Several indexes for the deposit profiles have been published and posted to the BCGS web site. A listing of all the profiles by lithological affinity is particularly pertinent to mineral potential assessments (Lefebure and Ray, 1995; Table 4). A commodity index of profiles was included in the second Open File (Lefebure and Höy, 1996; Table 23). A third index is organized by deposit group (Lefebure and Höy, 1996; Table 22).

The BCGS has compiled grade and tonnage data for 21 profiles, based largely on British Columbia deposits (Lefebure and Höy, 1996, page 121). For more comprehensive resource figures, the reader is referred to a number of USGS publications listed in the bibliography, including Cox and Singer (1986).

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