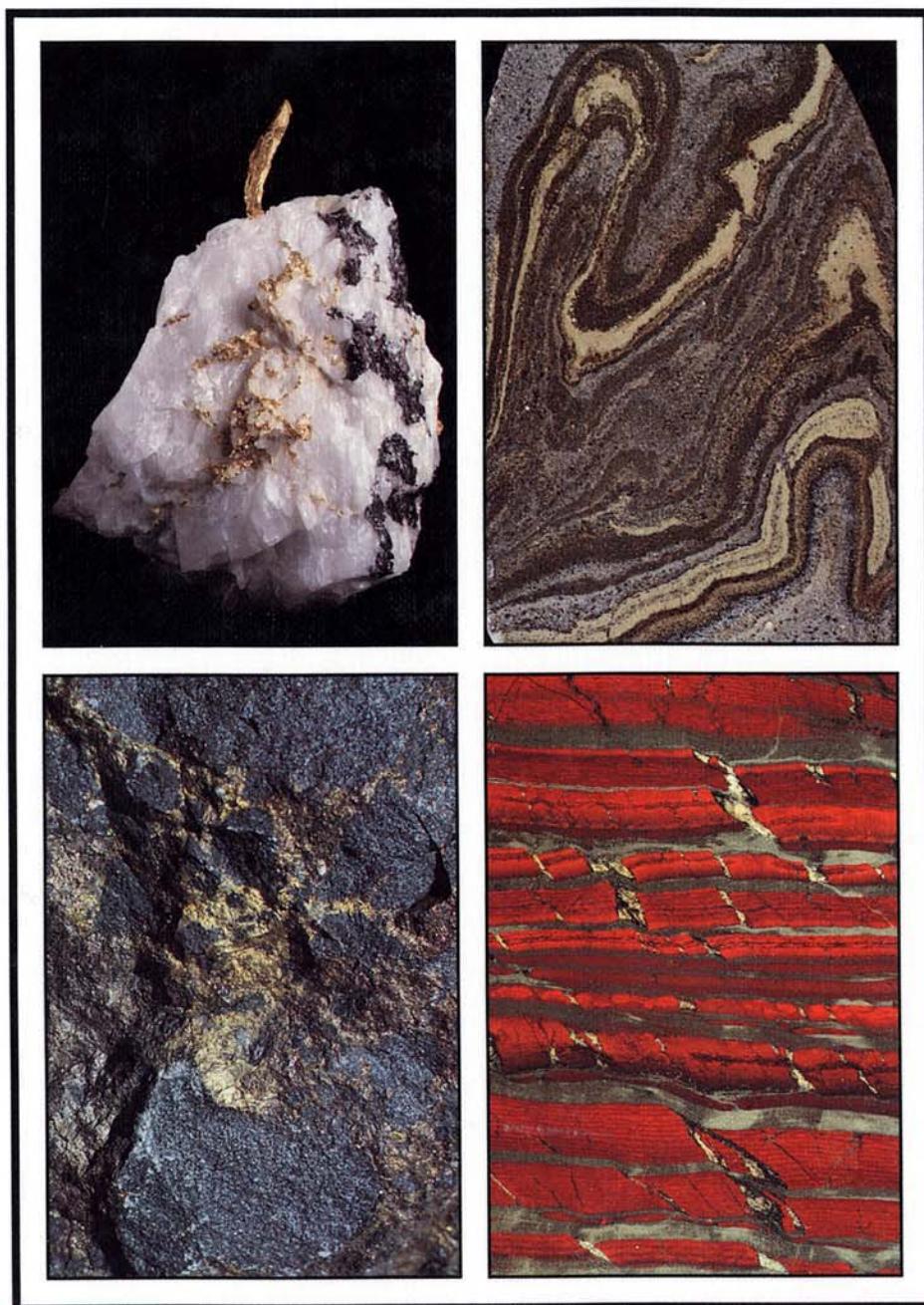


GEOLOGY OF CANADIAN MINERAL DEPOSIT TYPES



Canada



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edited by

O.R. Eckstrand, W.D. Sinclair, and R.I. Thorpe

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Upper Left Native gold and spalerite in vein quartz from the Pamour No. 1 mine, Timmins, Ontario. Quartz-carbonate vein gold (mineral deposit subtype 15.2). Height of specimen is 12 cm. Photograph courtesy of Royal Ontario Museum, ROM specimen M41070.

Upper Right Tectonically-deformed lead-zinc sulphide ore, Sullivan mine, Kimberley, British Columbia. Sedimentary exhalative sulphides (mineral deposit subtype 6.1). (Width of field of view is 11 cm). GSC 1995-186.

Lower Right Magnetite-jasper iron ore with cross-cutting quartz veinlets, Sherman mine, Temagami, Ontario. Algoma-type Iron-formation (mineral deposit subtype 3.2). (Width of field of view is 7 cm). GSC 1995-185.

Lower Left Nickel-copper sulphide ore in noritic host rock, Sudbury, Ontario. Nickel-copper sulphide (mineral deposit subtype 27.1). (Width of field of view is approximately 0.5 m). Natural Resources Canada photograph 8243.

PREFACE

The *Geology of North America* series has been prepared to mark the Centennial of The Geological Society of America. It represents the co-operative efforts of more than 1000 individuals from academia, state and federal agencies of many countries, and industry, to prepare syntheses that are as current and authoritative as possible about the geology of the North American continent and adjacent oceanic regions.

This series is part of the Decade of North American Geology (DNAG) Project which also includes eight wall maps at a scale of 1:5 000 00 that summarize the geology, tectonics, magnetic and gravity anomaly patterns, regional stress fields, thermal aspects, seismicity, and neotectonics of North America and its surroundings. Together the synthesis volumes and maps are the first co-ordinated effort to integrate all available knowledge about the geology and geophysics of a crustal plate on a regional scale.

The products of the DNAG Project present the state of knowledge of the geology and geophysics of North America in the 1980s, and they point the way toward work to be done in the decade ahead.

From time to time since its foundation in 1842 the Geological Survey of Canada has prepared and published overviews of the geology of Canada. This volume represents a part of the seventh such synthesis and besides forming part of the DNAG Project series is one of the nine volumes that make up the latest *Geology of Canada*.

J.O. Wheeler
General Editor for the volumes
published by the
Geological Survey of Canada

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General Editor for the volumes
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