

YUKON
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& GEOLOGY
2004

Edited by
D.S. Emond, L.L. Lewis and G.D. Bradshaw

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PHOTOGRAPHS

Front cover: Winter drilling on the Thunderstruck volcanic massive sulphide (VMS) (zinc-copper-lead-silver-gold) discovery, of Yukon Zinc Corporation in the Finlayson Lake VMS District, Yukon.
Photo by Phu Van Bui, Yukon Zinc Corporation

Back cover: The Yukon Prospectors Association recipients of the 2004 Prospector of the Year award, was the team of Tom Morgan (left) and Vern Matkovich (right).

PREFACE

Yukon Exploration and Geology (YEG) continues to be the main publication of the Yukon Geological Survey (Energy, Mines and Resources, Yukon government). This is the 27th volume of the series.

YEG 2004 contains up-to-date information on mining and mineral exploration activity, studies by industry, and results of recent geological field studies. Information in this volume comes from prospectors, exploration and government geologists, mining companies and students who are willing to collectively benefit the scientific community, general public, as well as the mineral and petroleum industries of the Yukon. Their assistance and patience is sincerely appreciated.

Sincere appreciation is extended to the YEG co-editors. This year, Geoff Bradshaw joined the team and managed to give Lara Lewis and myself a head start on the volume. Thanks go to both of them for their help in making the editorial process effective and efficient.

Appreciation is also extended to Maurice Colpron of the Yukon Geological Survey for his able assistance in the review of French translations of abstracts. Several geologists also contribute by critically reviewing YEG manuscripts; this year we thank Lee Pigage, Grant Lowey, Craig Hart, Maurice Colpron, Jeff Bond, Jim Mortensen and Charlie Roots for their help.

Wynne Krangle and Peter Long of K-L Services continue to provide excellent service in putting this production together, including editing suggestions, design of diagrams, volume layout, and working under the pressure of a tight deadline. Sherry Tyrner of the Queen's Printer once again ensured that the printing process went smoothly.

The 2004 volume has four parts. The first – Mineral Industry – includes overviews of hardrock and placer mining and exploration in the territory. The second part – Government – outlines the activities and organization of the Yukon Geological Survey, and includes announcements of the sixth Mining Land Use Reclamation Awards, the Robert E. Leckie Awards. The third part – Geological Fieldwork – contains reports describing regional mapping, and more detailed geoscience studies. The last part – Property Descriptions – is a collection of geological reports of mineral occurrences with recent exploration advances or detailed studies. This year they are authored by two university students.

We welcome any input or suggestions that you may have to improve future YEG publications. Please contact me at (867) 667-3203 or by e-mail at diane.emond@gov.yk.ca.

Diane Emond

PRÉFACE

Yukon Exploration and Geology (YEG) continue d'être la publication principale de la Commission géologique du Yukon (Énergie, Mines et Ressources, gouvernement du Yukon). Ce volume est le 27^e de la série.

YEG 2004 contient une mise-à-jour sur l'exploitation minière et l'exploration minérale, les études réalisées par l'industrie et les résultats des travaux géologiques exécutés récemment sur le terrain. L'information est fournie par des prospecteurs, des géologues d'exploration et du gouvernement, des sociétés minières et des étudiants qui veulent en faire bénéficier la communauté scientifique, le grand public, ainsi que les industries minières et pétrolières du Yukon. Nous apprécions leur aide et leur dévouement.

Nous tenons à remercier les co-rédacteurs. Cette année, Geoff Bradshaw s'est joint à Lara Lewis et moi-même; son aide nous a permis de prendre un avance sur la production du volume. De grands remerciements sont dus à Lara et Geoff pour avoir rendu le processus de rédaction plus efficace. Nous remercions également Maurice Colpron de la Commission géologique du Yukon pour son aide précieuse à la révision des traductions des résumés en français. Il faut aussi souligner la contribution de plusieurs géologues à la lecture critique des manuscrits : Lee Pigage, Grant Lowey, Craig Hart, Maurice Colpron, Jeff Bond et Charlie Roots.

Wynne Krangle et Peter Long de K-L Services ont une fois de plus fourni un excellent service de production, incluant des suggestions de révision, le tracé des diagrammes, la mise en page et le respect d'échéances serrées. Sherry Tyrner de l'Imprimeur de la Reine a, pour sa part, veillé au bon déroulement de l'impression.

Le volume de 2004 comprend quatre parties. La première – Industrie minérale – inclut des survols de l'exploitation minière et de l'exploration minérale au Yukon. La deuxième partie – Gouvernement – décrit dans les grandes lignes les activités et l'organisation de la Commission géologique du Yukon, et présente les sixièmes prix Robert E. Leckie récompensant les meilleurs travaux de restauration minière. La troisième partie – Travaux géologiques sur le terrain – contient des rapports décrivant la cartographie régionale et des études géoscientifiques plus détaillées. La dernière partie – Descriptions des propriétés – regroupe des rapports géologiques sur les indices minéraux qui ont donné lieu récemment à des progrès en matière d'exploration ou des études plus détaillées. Cette année, ces rapports ont été rédigés par deux étudiants universitaires.

Pour tout commentaire ou suggestion pour améliorer les futures publications, vous être priés de m'appeler au (867) 667-3203 ou par courriel à l'adresse suivante : diane.emond@gov.yk.ca.

Diane Emond



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