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2002

Edited by

D.S. Emond and L.L. Lewis

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Front cover photo

This artwork, comically depicting many real geology stories, was commissioned by the Yukon Geology Program to celebrate ten years of service. Original painting by Chris Caldwell.

Back cover photo

Photo of Tombstone Mountain, located in the Tombstone Park, Yukon. Archer, Cathro & Associates (1981) Limited, 2002 inductee to the "Prospector's Honour Roll" has been a leading explorer in Yukon for more than 37 years. Partners and key employees of the firm have included Al Archer, Bob Cathro, Rob Carne, Doug Eaton, Sandy Main, Bill Wengzynowski, Mike Phillips and Joan Mariacher. The company, along with Jim Stephen, donated its mineral claims in the Tombstone Mountain area to facilitate creation of Tombstone Park. Photo by Government of Yukon.

PREFACE

Yukon Exploration and Geology (YEG) is the main publication of the Yukon Geology Program (Indian and Northern Affairs Canada and Yukon Government). This is the 25th volume of the YEG series, and marks a special year, since this is the tenth anniversary of the Yukon Geology Program. The volume 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 Yukon's mineral industry. Their assistance and patience is sincerely appreciated.

A special mention goes again to Maurice Colpron of the Yukon Geology Program for his able assistance in the translation, review and composition of French abstracts, as well as the review of several manuscripts. Some of the others that were involved in critical reviews included Don Murphy, Lee Pigage, Steve Traynor, Bill LeBarge and Grant Lowey. Sincere appreciation is extended to co-editor Lara Lewis for her careful eye, clear head, keen sense of grammar and perseverance, and especially for facilitating a short holiday for me at Christmas. Wynne Krangle and Peter Long of K-L Services also 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 Aldridge and Dan Coventry of the Queen's Printer ensured that the printing process went smoothly.

The 2002 volume has four parts. The first – **Mineral Industry** – includes overviews of mining and exploration in the Territory, as well as prospecting activity documented as part of the Yukon Mining Incentives Program. The second part – **Government** – outlines the activities and organization of the Yukon Geology Program, and includes announcements of the fourth 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, and is authored by industry and government geologists, as well as 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 email at emond@inac.gc.ca.

Diane Emond

PRÉFACE

Yukon Exploration and Geology (YEG) est la publication principale du Service de géologie du Yukon (ministère des Affaires indiennes et du Nord canadien et gouvernement du Yukon). Il s'agit du 25^e volume de la série YEG; il marque une année spéciale, puisque le Service de géologie du Yukon fête cette année son dixième anniversaire. Ce volume contient une mise-à-jour des activités d'exploitation minière et d'exploration minérale ainsi que des études fournies par le secteur privé, et les résultats d'études géologiques de terrain récentes. Les informations qu'il renferme ont été recueillies par des prospecteurs, des géologues du secteur privé et des services gouvernementaux, des sociétés minières et des étudiants disposés à faire profiter de ces connaissances l'ensemble de l'industrie minière du Yukon. Nous leur sommes sincèrement reconnaissants de leur aide et de leur patience.

Nous tenons à remercier de nouveau Maurice Colpron, du Service de géologie du Yukon, pour l'aide compétente qu'il a fournie à la traduction, la révision et la rédaction des résumés en français, ainsi que pour la révision de nombreux manuscrits. Parmi ceux qui ont participé aux lecteurs critiques figurent notamment Don Murphy, Lee Pigage, Steve Traynor, Bill LeBarge et Grant Lowey. Nous tenons à exprimer notre sincère reconnaissance à la rédactrice adjointe Lara Lewis pour son regard vigilant, sa lucidité, son sens grammatical aigu et sa persévérance ainsi que, tout particulièrement, pour m'avoir permis de profiter de courtes vacances à Noël. Wynne Krangle et Peter Long, de la société K-L Services, continuent d'offrir une prestation d'excellence pour la réalisation du présent ouvrage, notamment à titre de conseillers en édition, tout en assurant la conception des schémas et la mise en page du volume, cela sous la contrainte de délais serrés. Enfin, Sherry Aldridge et Dan Coventry, de l'Imprimeur de la Reine, ont veillé à ce que le processus d'impression se déroule sans problèmes.

Le volume de 2002 renferme quatre parties. La première – **Mineral Industry** – présente des aperçus de l'exploitation et de l'exploration minérales au Yukon ainsi que des travaux de prospection tels que documentés dans le cadre du Yukon Mining Incentives Program d'encouragement des activités minières au Yukon. La deuxième partie – **Government** – esquisse les activités et l'organisation du Service de géologie du Yukon; on y trouvera également l'annonce des quatrièmes prix pour la restauration des sites miniers – les Prix Robert E. Leckie. La troisième partie – **Geological Fieldwork** – comprend des rapports décrivant les résultats de cartographie régionale et des études géoscientifiques détaillées. La dernière partie – **Property Descriptions** – est un recueil de rapports géologiques portant sur des indices minéraux ainsi que des textes sur les progrès récents en matière d'exploration et des études détaillées; elle a été rédigée par des géologues du secteur privé et des services gouvernementaux ainsi que par des étudiants universitaires.

Nous accueillons avec plaisir les commentaires et suggestions visant à améliorer les volumes futures du YEG. Prière de me contacter au (867) 667-3203 ou, par courriel, à emond@inac.gc.ca.

Diane Emond

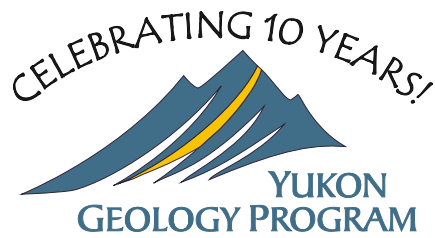


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