

Geoscience Editing and Publishing

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The role of the geoscience editing and publishing group in the Geoscience Information Services Section can be roughly divided into two parts. The first part involves editing a manuscript (report, article or map) to the author's satisfaction while at the same time applying the Branch standards for style and content. Editor Doug MacDonald and contract editor Kathy Mills carry out this work for the Minerals and Energy Branch. The second part involves producing a published document. The editors work with word processing operators Barb MacDonald, Susan Saunders and Angela Miller to produce our branch publications.

Editing

In the Minerals and Energy Branch, all scientific publications must be reviewed by at least one scientist who has not contributed to the research being presented. This process is called peer review and finding a suitable reviewer is usually the editor's first task after receiving a manuscript. The editor assigns the manuscript to a reviewer who is experienced in the field of study being presented by the author. The editor supplies the reviewer with detailed guidelines to direct the review toward the most critical scientific aspects of the manuscript:

1. significance of the content,
2. soundness of the content,
3. completeness of the content, and
4. presentation.

The reviewer's comments are then given to the author so that the manuscript can be revised in an effort to improve its scientific content. Open File Reports and Open File Maps are publications used to release information as soon as possible, and can be approved for release after peer review and minimal editing.

Resubmission of the manuscript after peer review initiates the next step in the editorial process, often called 'substantive' editing. This step may require re-writing parts of the document, re-organizing sections, and generally suggesting ways that the author can improve the presentation of their research for its intended readers. Since the subject matter is geoscience, the editors are geologists. Although the editors cannot be experienced in the particular field of research for each manuscript they understand the concepts, terminology, and scientific

methods employed. The relationship between author and editor is most important during this phase of substantive editing.

Another aspect of the editorial process is often referred to as 'copy' editing. This function requires careful attention to every detail in a document in order to meet the Branch publication standards. For the Minerals and Energy Branch, these standards reflect those used by the Geological Survey of Canada. Some standards, such as consistent capitalization, spelling and punctuation, are easily applied. Others may require much more time and effort, such as accurate citation and listing of references, and making sure that tables, maps and drawings meet the appropriate specifications.

Publishing

The final appearance of our publications is largely determined by the publication team, which includes an editor and a word-processing operator. In the modern age of computer-based publication, the job title 'word processing operator' is an anachronism. This function consists of preparing camera-ready (or Internet-ready) manuscripts for publication, and involves words, figures, tables and other design elements that are electronically composed using a variety of publishing applications, such as WordPerfect® and PageMaker®. Manuscripts travel back and forth between the editor and the word processing operator many times before they are ready to be published, either on paper or on-line.

Staff of the geoscience editing and publishing group work toward the goal of consistent high-quality, timely, and cost-effective reporting on activities carried out by the Minerals and Energy Branch. All geoscientists in the Branch are required to publish accounts of their work. These accounts may be published as scientific reports, memoirs or maps, or they may best be communicated in less technical publications such as information circulars or newsletters. The Branch newsletter *Nova Scotia Minerals Update* is produced quarterly and distributed to approximately 1600 subscribers around the world. The newsletter and many of our other, shorter publications are also converted to HyperText Markup Language (HTML) and are available on-line as part of the Branch web site. These activities ensure that current geoscience information on Nova Scotia is readily available to

enhance public awareness and to promote the mineral resources of the province.

The following publications were released in 1998:

Annual Report

Annual Report for the Fiscal Year ending March 31, 1997, by Nova Scotia Department of Natural Resources 1998, 92 pages.

Contribution Series

CS ME 1998-1 Gold and Base Metals Highlight Exploration in 1997, by Paul D. McCulloch; *presented at* 1998 Prospectors and Developers Association Meeting, March 1998, p. 1-6.

CS ME 1998-2 Deglaciation of Nova Scotia: Stratigraphy and Chronology of Lake Sediment Cores and Buried Organic Sections, by Rudolph R. Stea and Robert J. Mott; *in* Géographie physique et Quaternaire, vol. 52, no. 1, 1998, p. 3-21.

CS ME 1998-3 Earth Science and Engineering: Urban Development in the Metropolitan Halifax Region, by C. F. Michael Lewis, Brian B. Taylor, Rudolph R. Stea, Gordon B. J. Fader, Richard J. Horne, S. Greg MacNeil, Joe G. Moore; *in* Urban Geology of Canadian Cities, edited by P. F. Karrow and O. L. White, Geological Society of Canada, Special Paper 42, 1998, p. 409-444, 5 coloured maps.

CS ME 1998-4 A Review of the Mesothermal Gold Deposits of the Meguma Group, Nova Scotia, Canada, by R. J. Ryan and P. K. Smith; *in* Ore Geology Reviews, 13 (1998), p. 153-183.

CS ME 1998-5 Modeling Fluid-Rock Interaction During Greisenization at the East Kemptville Tin Deposit: Implications for Mineralization, by Werner E. Halter, Anthony E. Williams-Jones and Daniel J. Kontak; *in* Chemical Geology, 150 (1998), p. 1-17.

CS ME 1998-6 A Study of Fluid Inclusions in Sulfide and Nonsulfide Mineral Phases from a Carbonate-Hosted Zn-Pb Deposit, Gays River, Nova Scotia, Canada, by Daniel J. Kontak; *in* Economic Geology, vol. 93, 1998, p. 793-817.

CS ME 1998-7 Aqueous and Liquid Petroleum Inclusion in Barite from the Walton Deposit, Nova Scotia, Canada: A Carbonate-Hosted Ba-Pb-Zn-Cu-Ag Deposit, by

Daniel J. Kontak and D. F. Sangster; *in* Economic Geology, vol. 93, 1998, p. 845-868.

CS ME 1998-8 $\delta^{13}\text{C}$ - $\delta^{18}\text{O}$ - $^{87}\text{Sr}/^{86}\text{Sr}$ Covariations in Ore-Stage Calcites at and around the Gays River Zn-Pb Deposit (Nova Scotia, Canada) - Evidence for Fluid Mixing, by Martine M. Savard and Daniel J. Kontak; *in* Economic Geology, vol. 93, 1998, p. 818-833.

CS ME 1998-9 Fluid Composition and Thermal Regime during Zn-Pb Mineralization in the Lower Windsor Group, Nova Scotia, Canada, by Guoxiang Chi, Daniel J. Kontak and Anthony E. Williams-Jones; *in* Economic Geology, vol. 93, 1998, p. 883-895.

CS ME 1998-10 Sub-Basin-Specific Pb and Sr Sources in Zn-Pb Deposits of the Lower Windsor Group, Nova Scotia, Canada, by D. F. Sangster, M. M. Savard and D. J. Kontak; *in* Economic Geology, vol. 93, 1998, p. 911-919.

CS ME 1998-11 A Genetic Model for Mineralization of Lower Windsor (Viséan) Carbonate Rocks of Nova Scotia, Canada, by D. F. Sangster, M. M. Savard and D. J. Kontak; *in* Economic Geology, vol. 93, 1998, p. 932-952.

Illustrations

Illustration ME 1998-1 The Fossil Cliffs of Joggins: Towards World Heritage Site Designation, by J. H. Calder, 1998, 16" x 21" colour poster.

Illustration ME 1998-2 Brule Fossil Site Project: Preserving and Developing a World Class Fossil Discovery in Nova Scotia, by J. H. Calder, and H. E. K. van Allen, 1998, 16" x 21" colour poster.

Illustration ME 1998-3 Sydney Mines: Fossil Interpretation Project, by J. H. Calder, 1998, 16" x 21" colour poster.

Information Circulars

IC ME 57 Properties Available for Option in Nova Scotia, January 1998, a joint project between the Nova Scotia Department of Natural Resources, Minerals and Energy Branch, the Chamber of Mineral Resources of Nova Scotia and the Mining Society of Nova Scotia, 1998, 70 pages.

IC ME 58 A Guide to Mineral Exploration Legislation in Nova Scotia, 1998, 8 pages.

Open File Illustrations

OFI ME 1998-1 Industrial Minerals, Natural Gas Production in 1999 - New Opportunities, compiled by P. W. Finck, W. E. O'Halloran and G. A. Prime, 11" x 17" colour poster.

OFI ME 1998-2 What's New, Exploration and Development Highlights, compiled by P. W. Finck, W. E. O'Halloran and G. A. Prime, 11" x 17" colour poster.

Open File Maps

OFM ME 1998-1 Preliminary geological map of Guysborough, Richmond and Antigonish Counties (parts of NTS sheets 11E/08, 11F/05, 11F/06, 11F/10, 11F/11, 11F/12 and 11F/15), Nova Scotia, by C. E. White and S. M. Barr. 1 coloured map, scale 1:100 000.

OFM ME 1998-2 Surficial Geology of the Bridgetown area (NTS 21A/14), Annapolis County, Nova Scotia, by R. R. Stea and C. M. Kennedy, 1998. 1 coloured map, scale 1:50 000.

OFM ME 1998-3 Surficial Geology of the Shubenacadie area (NTS 11E/03), Colchester, Halifax and Hants Counties. Nova Scotia, by R. R. Stea and C. M. Kennedy, 1998. 1 coloured map, scale 1:50 000.

OFM ME 1998-4 Geological Map of Halifax Airport (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by D. E. Baker, R. J. Horne and M. Feetham. 1 coloured map, scale 1:10 000.

OFM ME 1998-5 Geological Map of Soldier Lake (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by M. Feetham, R. J. Horne, D. E. Baker and L. J. Ham, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-6 Geological Map of Fall River (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by R. J. Horne and D. E. Baker, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-7 Geological Map of Lucasville (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by R. J. Horne and L. A. MacDonald, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-8 Geological Map of Middle Sackville (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by R. J. Horne, L. A. MacDonald and D. E. Baker, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-9 Geological Map of Waverley (part of NTS sheet 11D/13), Halifax County, Nova Scotia, by R. J. Horne, D. E. Baker and L. J. Ham, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-10 Geological Map of Newport Corner (part of NTS sheet 11D/13), Hants County, Nova Scotia, by R. J. Horne, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-11 Geological Map of Woodville (part of NTS sheet 11E/04), Hants County, Nova Scotia, by R. J. Horne, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-12 Geological Map of Bill Meadow Mountain (part of NTS sheet 11E/04), Hants County, Nova Scotia, by R. J. Horne and D. Fox, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-13 Geological Map of Renfrew (part of NTS sheet 11E/04), Hants County, Nova Scotia, by R. J. Horne and D. Fox, 1998. 1 coloured map, scale 1:10 000.

OFM ME 1998-14 Geological Map of the McAdams Lake area, Cape Breton County (parts of NTS sheets 11F/15, 11F/16, 11K/01 and 11K/02), Nova Scotia, by C. E. White and S. M. Barr, 1998. 1 coloured map, scale 1:20 000.

OFM ME 1998-15 Map of Active Mines of Nova Scotia, by Ian McLellan, June 1998, 1 map, scale 1:1 000 000.

Open File Reports

OFR ME 1998-1 Minerals and Energy Branch, Nova Scotia Department of Natural Resources, Province of Nova Scotia: An Organization Review, by C. G. Miller, Industry Government Relations Group, 1998, 60 pages.

OFR ME 1998-2 NTS Location Index to Nova Scotia Department of Natural Resources, Minerals and Energy Branch Assessment Reports, Contribution Series, Digital Geoscience Data Products, Open Files and Publications, 1996 and 1997, by Paul D. McCulloch, Sandra Marshall, Norman A. Lyttle and J. Susan Saunders, 1998, 51 pages.

OFR ME 1998-3 Author Index to Nova Scotia Department of Natural Resources, Minerals and Energy Branch Assessment Reports, Contribution Series, Digital Geoscience Data Products, Open Files and Publications, 1996 and 1997, by Paul D. McCulloch, Sandra Marshall, Norman A. Lyttle and J. Susan Saunders, 1998, 72 pages.

OFR ME 1998-5 Classic Carboniferous Sections of the Minas and Cumberland Basins in Nova Scotia: with Special Reference to Organic Deposits, by J. H. Calder, R. C. Boehner, D. E. Brown, M. R. Gibling, P. K. Mukhopadhyay, R. J. Ryan and D. M. Skilliter; The Society for Organic Petrology, Annual Meeting Field Trip Guide Book, 29-30 July, 1998, 86 pages.

Reports

Report ME 1998-1 Minerals and Energy Branch Report

of Activities 1997, edited by D. R. MacDonald and K. A. Mills, 212 pages.

Report ME 1998-2 Mining Matters for Nova Scotia '98: Opportunities for Economic Development, edited by D. R. MacDonald, 1998, 37 pages.