

# CONTENTS

Page

## MINERAL DEPOSITS

1. **M.P. Escayola, J.A. Proenza, C. van Staal, N. Rogers and T. Skulski** The Point Rouse Listvenites, Baie Verte, Newfoundland: Altered ultramafic rocks with potential for gold mineralization. . . . . 1
2. **J.G. Hinchey and V. McNicoll** Tectonostratigraphic architecture and VMS mineralization of the southern Tullks Volcanic Belt: New insights from U–Pb geochronology and litho geochemistry. . . . . 13
3. **A. Kerr, T.S. van Nostrand, L. Dickson and E.P. Lynch** Molybdenum and tungsten in Newfoundland: A geological overview and a summary of recent exploration developments. . . . . 43
4. **G.W. Sparkes and G.R. Dunning** Preliminary investigations into the style, setting and timing of uranium mineralization, Jacques Lake deposit, Central Mineral Belt, Labrador. . . . . 81

## GEOSCIENCE DATA MANAGEMENT

5. **L. Crisby-Whittle** Digital bedrock geology dataset: Online. . . . . 95

## REGIONAL GEOLOGY

6. **W.D. Boyce, I. Knight and D. Brake** A Middle Cambrian mass-kill recorded in the Penguin Cove Formation, western Newfoundland. . . . . 111
7. **W.D. Boyce and I. Knight** New fossil localities in the Middle Ordovician Table Point Formation, Bonne Bay Little Pond area, western Newfoundland. . . . . 123
8. **G. Case and A. Zagorevski** Volcanic redbed copper mineralization in the Hinds Lake area, central Newfoundland. . . . . 131
9. **S. Castonguay, T. Skulski, C. van Staal and M. Currie** New insights on the structural geology of the Pacquet Harbour Group and Point Rouse Complex, Baie Verte Peninsula, Newfoundland. . . . . 147
10. **A.M. Hinchey and C. LaFlamme** The Paleoproterozoic volcano-sedimentary rocks of the Aillik Group and associated plutonic suites of the Aillik domain, Makkovik Province, Labrador (NTS map area 13J/14). . . . . 159
11. **I. Knight and W.D. Boyce** The Reluctant Head Formation, Goose Arm Thrust Stack, Newfoundland Humber Zone: New observations on the stratigraphy, biostratigraphy and implications for the evolution of the Cambrian–Ordovician shelf. . . . . 183
12. **C. LaFlamme, A.M. Hinchey and P.J. Sylvester** Preliminary report on the lithology of volcano-sedimentary rocks of the Aillik Group, Aillik domain, Makkovik Province. . . . . 203
13. **E.P. Lynch, D. Selby, M. Feely and D.H.C. Wilton** New constraints on the timing of molybdenite mineralization in the Devonian Ackley Granite Suite, southeastern Newfoundland: Preliminary results of Re–Os geochronology. . . . . 225
14. **B.H. O’Brien** Ordovician Catchers Pond Group and adjacent Silurian rocks, Indian River–Shoal Pond area (NTS 12H/8, 9), west-central Newfoundland. . . . . 235

15. **T.S. van Nostrand** Geology of the Seal Lake Group, central Labrador (parts of NTS map areas 13K/5 and 6). . . . . 249
16. **A. Zagorevski and N. Rogers** Geochemical characteristics of the Ordovician volcano-sedimentary rocks in the Mary March Brook area. . . . . 271

#### GEOCHEMISTRY/GEOPHYSICS AND TERRAIN SCIENCES

17. **P. Blundon, T. Bell and M. Batterson** An evaluation of SRTM digital elevation data for glacial landform mapping in Newfoundland. . . . . 289
18. **G. Kilfoil** Geophysical data from recent airborne surveys, Newfoundland and Labrador. . . . . 305
19. **C. Serpa, M. Batterson and K. Guzzwell** The influence of bedrock and mineral occurrences on arsenic concentrations in groundwater wells in the Gander Bay area, Newfoundland. . . . . 315
20. **J.S. Smith** Red Indian Lake project: A review of Quaternary investigations southeast of Red Indian Lake, Newfoundland. . . . . 339
21. **D. Taylor** Regional till-geochemistry sampling and ice-flow mapping along the southern shore of the Avalon Peninsula. . . . . 357

#### GENERAL TOPICS

22. **A. Harris and S. Cochrane** Core-storage program, 2008. . . . . 367
23. **C. Patey and C. Saunders** Documents and databases at the Geoscience Publications and Information Section . . . . . 371
24. **J.L. Smith, G.J. Stapleton, D.W. Hanchar and H.M. Rafuse** Mineral Occurrence Data System. . . . . 373

