

CONTENTS

Page

GEOSCIENCE DATA MANAGMENT

1. **P. Honarvar, L.W. Nolan, L. Crisby-Whittle and K. Morgan** The Geoscience Atlas. 1

GEOCHEMISTRY, GEOPHYSICS AND TERRAIN SCIENCES

2. **S.D. Amor** Identification of local maxima in regional geochemical datasets. 5
3. **D. Brushett** Reconnaissance sampling for diamond-indicator minerals from eskers, western Labrador. 35
4. **M. Irvine** Coastal monitoring in Newfoundland and Labrador: 2012 update 43
5. **M.J. Ricketts** Granular-aggregate mapping in the Random Island and Tug Pond map areas (NTS map areas 2C/4 and 2D/1), eastern Newfoundland. 55
6. **J.S. Smith** Eastern Red Indian Lake Basin, central Newfoundland: Surficial and ice-flow mapping results. 67

MINERAL DEPOSITS

7. **J. Conliffe** The geological setting of the Julianne Lake iron-ore deposit, western Labrador. 83
8. **J.G. Hinchey** The geology and genesis of the Silurian Portage Ni–Cu and Ordovician Range Cu–Co showings, southwestern Newfoundland (NTS map area 12A/05): Preliminary results. 99
9. **A. Kerr** Rare-earth-element (REE) behaviour in the Strange Lake Intrusion, Labrador: Resource estimation using predictive methods. 117
10. **A. Kerr, J.A. Walsh, G.W. Sparkes and J.G. Hinchey** Vanadium potential in Newfoundland and Labrador: A review and assessment. 137
11. **H.A. Sandeman, D.H.C. Wilton, J. Conliffe, T. Froude and J.M. O’Driscoll** Geological setting, geochronological constraints and the nature of mineralization at the Mosquito Hill (Huxter Lane) gold deposit, central Newfoundland. 167
12. **G.W. Sparkes and W.J. Davis** Volcanic-hosted uranium mineralization in the eastern Central Mineral Belt of Labrador: Benedict Mountains region. 189
13. **G.J. Stapleton, J.L. Smith and T. Adams** Mineral Occurrence Data System. 199

REGIONAL MAPPING

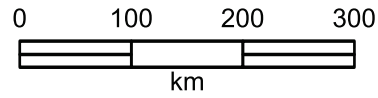
14. **W.D. Boyce, L.M.E. McCobb and I. Knight** Continuing stratigraphic and trilobite studies of the Watts Bight Formation (St. George Group), Port au Port Peninsula, western Newfoundland. 205
15. **A.M. Hinchey and W.J. Davis** New U–Pb zircon geochronology for the Measles Point Granite, Aillik domain, Makkovik Province, Labrador (NTS map area 13O/03). 223

CONTENTS

Page

16	A. Kerr The Fogo process from a geologist's perspective: A discussion of models and research problems.	233
17.	I. Knight The Forteau Formation, Labrador Group, in Gros Morne National Park: A preliminary reassessment of its stratigraphy and lithofacies.	267
18.	T. van Nostrand and C. Corcoran Geology of the western Mesoproterozoic Seal Lake Group, central Labrador (including all of NTS map areas 13L/2 and 7 and parts of 13L/1, 3, 6, 8, 9, 10, 11, 14, 15 and 16 and 13E/14 and 15).	301

NEWFOUNDLAND AND LABRADOR 2012 PROJECTS



QUÉBEC

LABRADOR

ISLAND OF NEWFOUNDLAND

