

CONTENTS

Page

TERRAIN SCIENCES AND GEOSCIENCE DATA MANAGEMENT

S. Hashmi Humus as a sample medium to target Au mineralization in Newfoundland: Preliminary data from Glover Island (NTS 12A/12 and 13), Jackson's Arm (NTS 12H/15) and Nippers Harbour (NTS 02E/13) map areas.	1
S. Jenkins, P. Honarvar, G. Roberts, D. Taylor, L. Crisby and G. Kilfoil The Geoscience Atlas and Geoscience data updates in 2022.	23

MINERAL DEPOSITS

I.W. Honsberger, H.A.I. Sandeman, W. Bleeker and S.L. Kamo Gabbro intrusions along the Dog Bay Line–Appleton Fault Zone gold corridor, northeast–central Newfoundland: U–Pb baddeleyite geochronology and lithochemochemistry.	31
Z. Magyarosi and N. Rayner Petrography, geochemistry and geochronology of the REE-mineralized Fox Harbour Volcanic Belt, southeastern Labrador.	47
H.A.I. Sandeman, A.M. Hinchey, D. Diekrup and H.E. Campbell Lithochemochemical and Nd isotopic data for Hunt River Belt and Weekes Amphibolite, Hopedale Block, Labrador: Evidence for two stages of mafic magmatism at >3200 and ~3100 Ma.	77
G.W. Sparkes and J.G. Hinchey White mica zonation patterns associated with hybrid bimodal-felsic VMS systems: Examples from the Tulks Volcanic and Buchans–Roberts Arm belts, central Newfoundland.	99
G.W. Sparkes, J.G. Hinchey and D. Diekrup Worldview-3 satellite imagery as a tool for hydrothermal alteration-mineral mapping: Insights from the Long Harbour Group, Avalon Zone, Newfoundland.	127
G.J. Stapleton, J.L. Smith and N. Lachance Mineral Inventory Project.	143

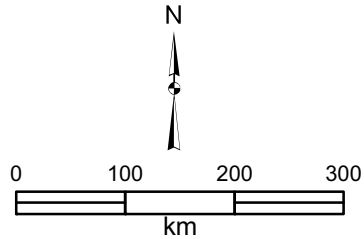
REGIONAL GEOLOGY

D. Diekrup, A.M. Hinchey, H.E. Campbell, N. Rayner and S.J. Piercey Stratigraphy, structure and mineral potential of the 3.0 Ga Florence Lake Greenstone Belt, Labrador.	151
A.M. Hinchey, J.P. Butler, C. Guilmette, J.H. Bédard, F. Fournier-Roy and M. Coleman Western Newfoundland: Allochthons, ophiolites and obduction.	163
A.M. Hinchey, D. Diekrup and N. Rayner Revisiting Mesoproterozoic magmatism in Labrador: Evaluating AMCG and peralkaline magmatism.	181
A. Mills and J.J. Álvaro Lithochemochemical features of Cambrian basalts from western Avalon Peninsula, Avalon terrane, Newfoundland: Alkaline magmatism along an inherited fault zone.	197

Readers who would like to write a rebuttal to, or discussion of, any report contained in this volume are invited to submit it to the editor by November 30, 2023 to be considered for inclusion in Report 2024-1.

NEWFOUNDLAND AND LABRADOR 2022 PROJECTS

QUÉBEC



LABRADOR

Labrador City
Wabush

A. Hinchey *et al.* ●
Deikrup *et al.* ●
Sandeman *et al.* ●

Magyarosi and Rayner ●

St. Anthony

Hashmi

A. Hinchey *et al.* ●
Corner Brook ■
Hashmi ●
Honsberger *et al.* ●
Gander ■
Grand Falls ■
Sparkes/J. Hinchey ●

Port aux Basques ■

Sparkes *et al.* ●
Mills/Alvaro ●
Stapleton *et al.* ●
St. John's ■
Jenkins *et al.* ●

ISLAND OF NEWFOUNDLAND