

ALANA HINCHEY
Senior Geologist

BSc(Hons) *Queen's*, MSc *Memorial*, PhD *Carleton*

Alana is the Senior Geologist for the Regional Geology Section; prior to this she had been a Project Geologist in this section since 2006. Alana is responsible for the section administration and project development, as well as keeping busy with various research projects. Current projects include completion of the digital database and maps of the Makkovik area and continued collaboration with the Geological Survey of Denmark and Greenland (GEUS) on two projects: the first aims to determine the source and provenance of the continental shelf sediments, and the second project focuses on the uplift history of the Province. Alana is also active on various geoheritage projects throughout the province, including the Aspiring Discovery Geopark on the Bonavista Peninsula, the Aspiring Cabox Geopark in the Bay of Islands region, the Mistaken Point Ambassadors, the Fortune Head Geology Center, the Geological Treasures Network of Eastern Newfoundland and the Drifting Apart – Northern Peripheries and Arctic Region Project of the European Union.

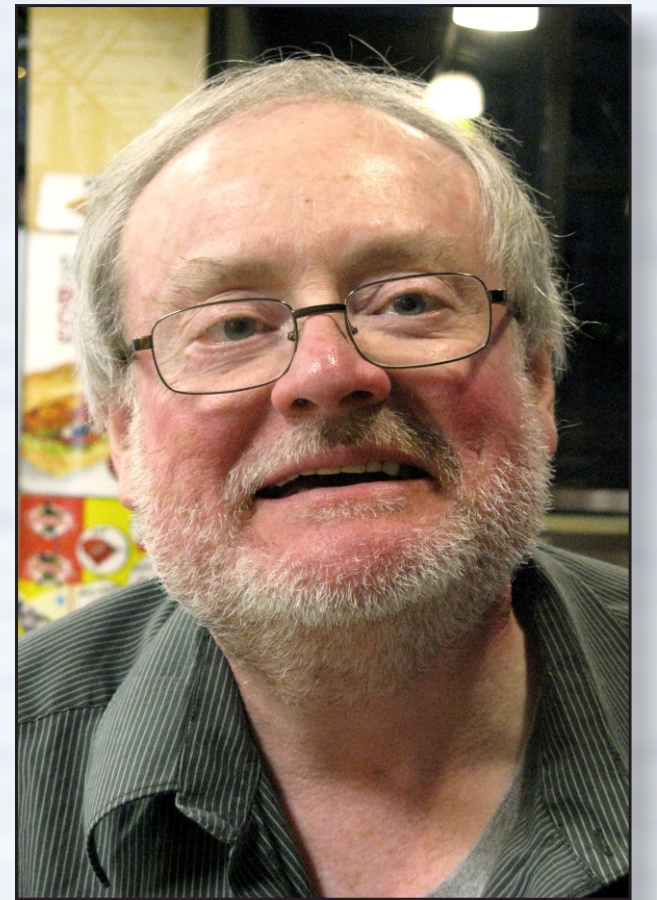
WHO WE ARE AND WHAT WE DO

Regional Geology Section



The Regional Geology Section is responsible for all bedrock mapping in the province as well as related geoscientific research. We provide the geological maps that support a diverse clientele, from the mineral exploration industry to prospectors, other government agencies and local communities.

Geologic maps provide critical information on the Earth around us and have many uses from exploring for mineral resources to hazard assessment and every aspect of land use planning and growth. Currently, there are nine staff members in the section; below highlights what we do.



DOUG BOYCE
Project Geologist

BSc(Hons) *Memorial*, MSc *Memorial*

Doug is an internationally recognized, published expert on Cambrian-Ordovician trilobites from Laurentia. With long-time colleagues Ian Knight, Lucy McCobb, David Rohr and Svend Stouge, he is involved in several international research projects focusing on western Newfoundland and North-East Greenland; some of these have received National Geographic funding. Doug is also Associate Curator of Paleontology, Provincial Museum Division, The Rooms Corporation of Newfoundland & Labrador.



ANDREA MILLS
Project Geologist

BSc(Hons) *Memorial*, MSc *Carleton*

Andrea joined the Survey in March 2013, returning to field work after several years working for the Department in a regulatory capacity. She gained the bulk of her geological experience in Archean terranes in the Canadian arctic and subarctic (1997-2007), and is now conducting regional bedrock mapping in Neoproterozoic and younger siliciclastic rocks on the Bonavista Peninsula.



CHARLES F. GOWER
Project Geologist

BSc *London*, MSc *Leicester*, PhD *McMaster*

Charlie has carried out 1:100 000-scale geological mapping in the Makkovik and Grenville provinces in eastern Labrador since joining the Survey in 1979. He prefers pictures of waterfalls to himself.



IAN KNIGHT
Project Geologist

BSc *Bristol*, MSc *Memorial*, PhD *Memorial*

Ian Knight's primary focus is the stratigraphy, chronostratigraphy and structure of the Cambro-Ordovician shelf rocks of the Humber Zone. Ongoing studies are investigating the early to middle Cambrian Hawke Bay Formation throughout the zone, and compiling and modifying 1:50 000 maps of the shelf sequence.



BRUCE RYAN
Project Geologist

BSc *Memorial*, MSc *Memorial*

Having spent his undergraduate and graduate summers from 1972 to 1975 in Labrador, Bruce joined the Survey as a member of the newly-minted Labrador mapping group in 1976. His work since then has entailed 1:100 000- and 1:50 000-scale geological mapping of diverse sedimentary, igneous and metamorphic rocks underlying central Labrador, the coastal area north of Postville, parts of the country between Voisey's Bay and Okakh Bay, and the Saglek-Hebron region.



TIM VAN NOSTRAND
Project Geologist

BSc *Memorial*, MSc *Memorial*

Tim worked as a field assistant in Labrador with the Survey during the 1980s and 1990s and joined the Survey full-time as a project geologist with the Regional Mapping Section in 2008. He is completing a synthesis of the geology, geochemistry and geochronology of the Mesoproterozoic Seal Lake Group in central Labrador. Tim is also compiling data collected from two field seasons of a 1:50 000-scale bedrock mapping project of the Archean Ashuanipi Complex of the Superior Province in western Labrador, a region which has the potential to host gold, base metal and PGE mineralization.



BRIAN O'BRIEN
Project Geologist

BSc(Hons) *Memorial*, MSc *New Brunswick*, PhD *Liverpool*

Brian joined the NL Geological Survey in 1986 where he has since pursued his interests in Appalachian – Caledonian tectonics and structurally-controlled mineral deposits. Office work in 2015 was focused on the production of a systematic series of 1:25 000 scale bedrock geology maps that cover the central part of the Buchans – Robert's Arm volcanic belt. Field activities were limited to participation in several geological excursions to parts of central Newfoundland and included mentoring of staff, prospectors, students and geoscientists-in-training.

MONICA SQUIRES
Geologist

BSc *Memorial*

Monica worked summers with the Survey starting in 2008 as a student assistant, and in 2011 joined the Mineral Occurrence Data System team in the Mineral Deposits Section. In 2012 she moved to Regional Geology to address archiving issues within the section, and is currently working at cataloguing the Geological Survey's paleontology collection housed at the Natural History Annex of The Rooms Provincial Museum.

