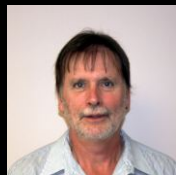


# WHO WE ARE AND WHAT WE DO

Our primary mandate is to document metallic and non-metallic mineralization across the province, to conduct related geoscientific research, and to develop assessments of regional mineral potential. Our activities support the diverse mineral exploration sector in the province, and contribute to a wider understanding of geological processes linked to mineralization. The section also plays an important role in developing geoscientific material aimed at attracting investment in exploration for new natural resources in the province. There are currently 8 staff in the section.



**Senior Geologist:** Andrew Kerr (B.Sc., Southampton, M.Sc., Ph.D., Memorial)

Andy takes care of section administration and project development, but tries to stay active in research activities. His background is in regional mapping and mineral deposit studies, and he has worked in many parts of the province. Current projects include work on molybdenum mineralization, and on the timing of epigenetic gold mineralization. He is also involved in land claims negotiations.



**Project Geologist:** John Hinchey (B.Sc., M.Sc., Memorial, Ph.D., Ottawa)

John first worked with the survey as a student in 1997, and joined us full-time in 2005. In 2009, he worked in the Bonavista area, examining sediment-hosted Cu mineralization. His previous project was focused on VMS-type base-metal deposits in the Red Indian Lake area, central Newfoundland, and he is currently working on final reports and synthesis for this.



**Project Geologist:** Hamish Sandeman (B.Sc., M.Sc., Memorial, Ph.D., Queens)

Hamish first worked with the survey as a student in 1986, and joined us full-time in 2008, following a long career in both regional mapping and mineral deposit studies across Nunavut and the NWT. He recently started a project on gold metallogeny, with an emphasis on newly-defined deposits and environments. In 2009, he worked in several different areas across Newfoundland.



**Project Geologist:** Greg Sparkes (B.Sc., M.Sc., Memorial)

Greg first worked with the survey as a student in 2002, and joined us full-time in 2006, after working on contractual projects. His current project is focused on uranium, for the most part in the Central Mineral Belt of Labrador, where most industry interest has been focused. He is also working on uranium mineralization in Newfoundland, and writing up previous work on gold mineralization near St. John's.



**Project Geologist:** Greg Stapleton (B.Sc., Memorial)

Greg has been associated with the MODS project since the late 1980s, and now manages this important resource, with the assistance of the dedicated MODS Squad. In addition to maintaining and expanding the database, Greg also takes care of mineral potential assessment for land use issues, protected areas initiatives and land claims discussions.



**MODS Geologist:** Dorothea Hanchar (B.A., Smith College, MA, M.Sc., Vanderbilt)

Dorothea joined the MODS project in 2008, bringing much valuable experience in resource assessment and hydrogeology to the Survey. She previously worked for the United States Geological Survey and for Petroleum Research Atlantic Canada. In addition to working with the database, she has taken on the task of writing commodity series reports and helping with outreach activities.



**MODS Geologist:** Heather Rafuse (B.Sc., Memorial)

Heather is the most recent recruit to the MODS project, but she is also a familiar face, because she worked for us a student. In addition to working with the MODS database, she has taken on the task of gathering information for planned commodity series reports. She is also the primary operator for our Terraspec Spectrometer, and helps with a wide variety of research activities.



**MODS Geologist:** Jan Smith (B.Sc., Memorial)

Jan is a long-standing member of the MODS team, and has worked to develop and update the database all across Newfoundland and Labrador. She is familiar with the mineral inventory and exploration history of almost all parts of the province. In addition to working with the database, she assists with providing mineral occurrence data to other agencies for land use planning purposes.

In 2009, the Mineral Deposits Section was involved in a wide range of projects across the province. Field projects were directed at uranium in Labrador, at sediment-hosted copper mineralization in eastern Newfoundland, and at gold mineralization in several parts of the island. There were also smaller-scale projects aimed at molybdenum in Newfoundland and copper in central Labrador. Office-based projects include the MODS database, and an ongoing project to develop commodity series reports for exploration industry use.