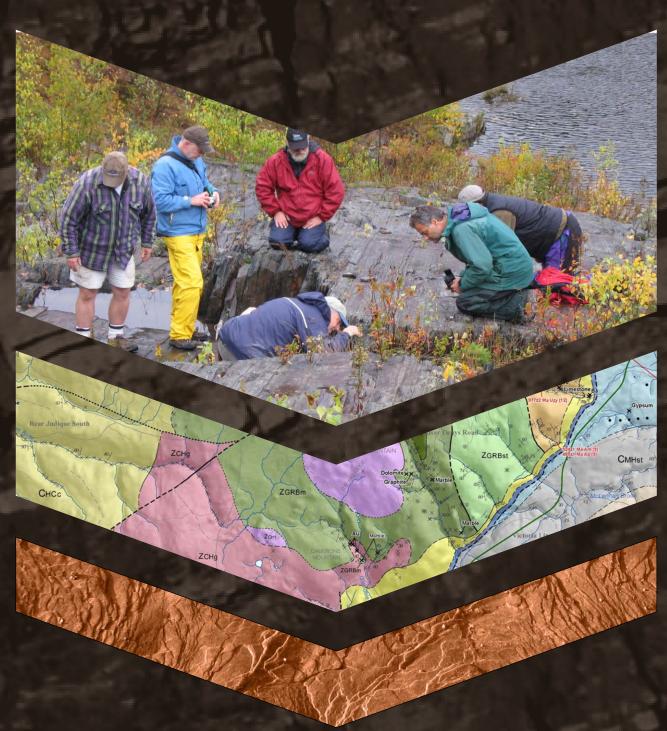
Natural Resources

Geology Matters 2014

Experts on the ground



Opportunities on the ground

Geoscience and Mines
Branch



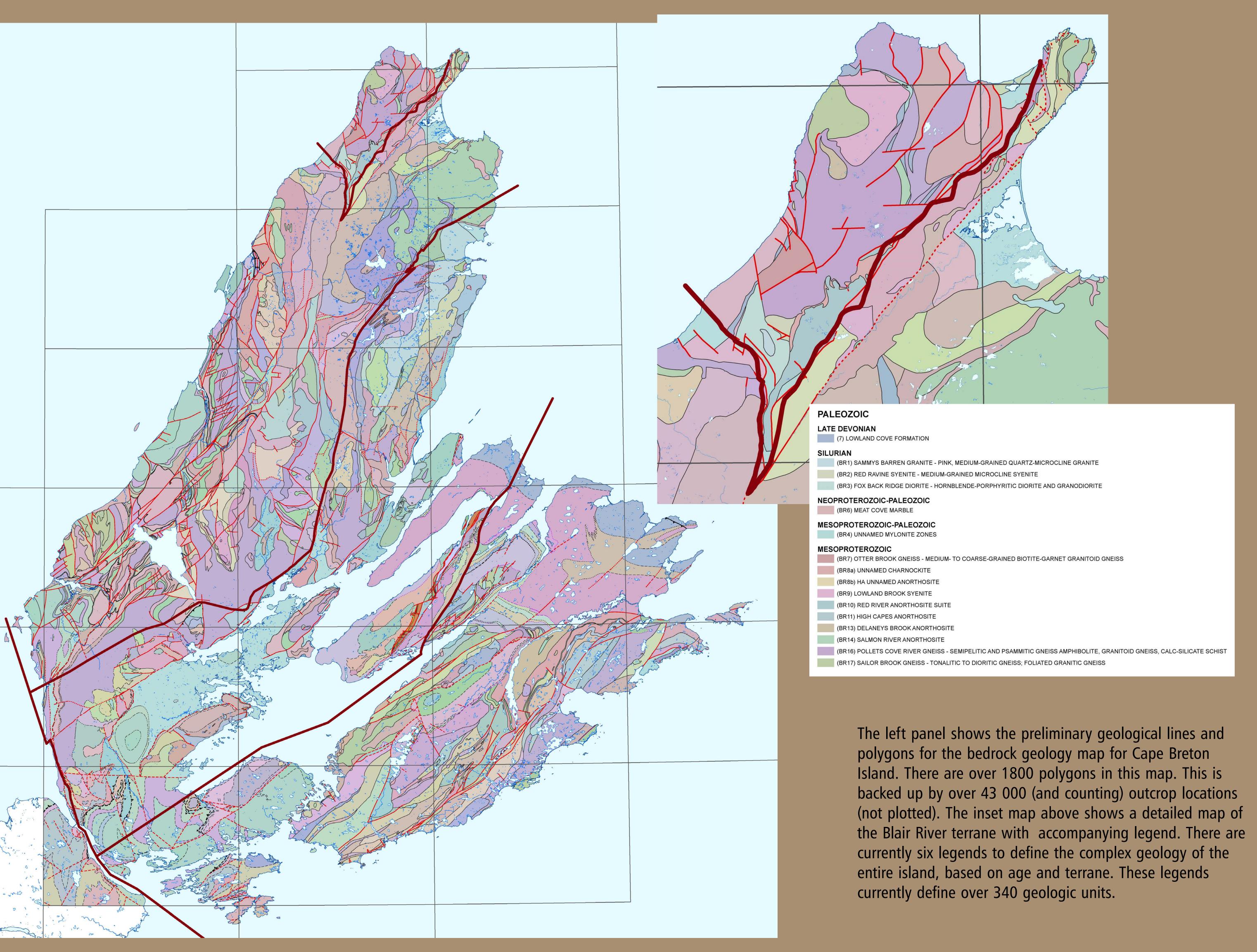
Information Services

What's New? Maps we are working on

http://novascotia.ca/natr/meb/

Jeff Poole, GIS Supervisor (902-424-8139; jeff.poole@novascotia.ca)

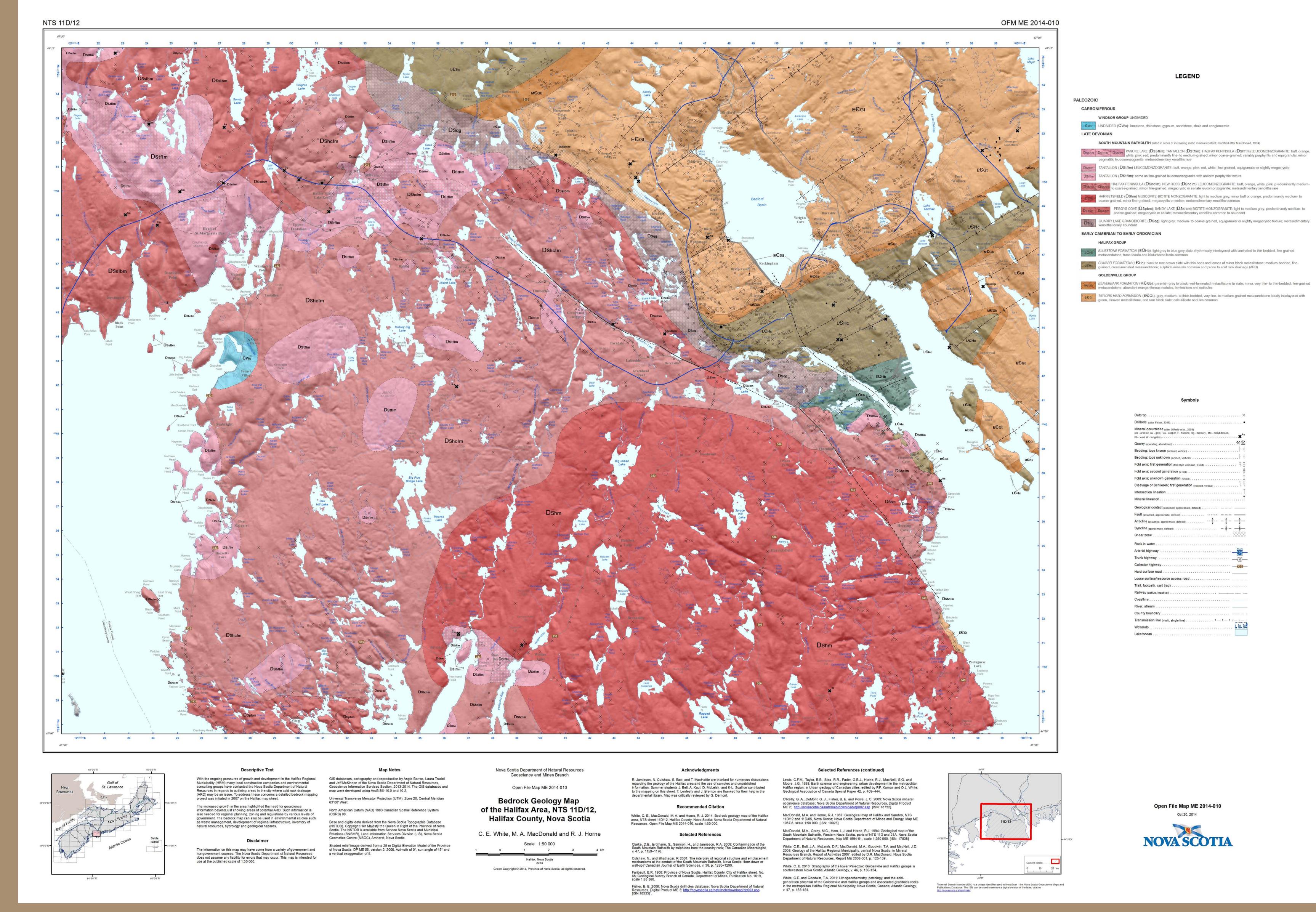
Cape Breton Island Bedrock Data Compilation



The objective of this project is to compile and integrate a wealth of previous field work and detailed mapping over the last 25 years, largely from academic research, into a series of geology maps and GIS databases for Cape Breton Island. This is a multi-year collaborative project that began in 2012 between Chris White and the GIS group of the Geoscience and Mines Branch and Sandra Barr of Acadia University. This work will provide a better understanding of the geological evolution and origin of mineral deposits in Cape Breton Island and a broader understanding of how Cape Breton Island fits into the northern Appalachian orogen, where equivalent units that host significant mineral deposits exist.

The outputs of the project will be 25 new 1:50 000-scale bedrock maps and one or more GIS databases. These maps and databases will focus on mineral assets and land-use, and will be valuable tools to encourage and promote mineral exploration and assist communities seeking to make informed decisions about future growth and development. More and more communities are actively seeking this resource information. This information will be also assist the branch with more focused and detailed mapping in the future.

Bedrock Geology Map of the Halifax Area



With the ongoing pressures of growth and development in the Halifax Regional Municipality (HRM) many local construction companies and environmental consulting groups have contacted the Nova Scotia Department of Natural Resources in regards to outlining areas in the city where acid rock drainage (ARD) may be an issue. To address these concerns a detailed bedrock mapping project was initiated in 2007 for the Halifax map area.

Increased growth in the area highlighted the need for geoscience information beyond just knowing areas of potential ARD. Such information is also needed for regional planning, zoning and regulations by various levels of government. The bedrock map can also be used in environmental studies such as waste management, development of regional infrastructure, inventory of natural resources, hydrology and geological hazards.

PDF available for FREE download: /download/mg/ofm/htm/ofm_2014-010.asp

Hard copies available for purchase from the DNR library:

http://novascotia.ca/natr/library/