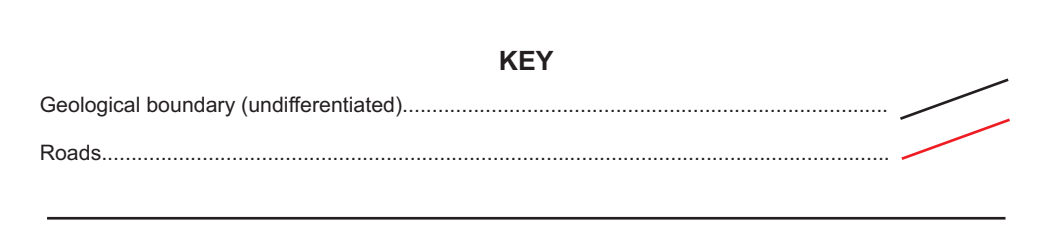


PRELIMINARY TECTONIC MAP SHOWING THE DISPOSITION OF THE MAIN STRUCTURAL TRACTS COMPRISING THE SOUTHERN PART OF THE ROBERT'S ARM VOLCANIC BELT* (NTS AREAS 12H/1, 12A/16), WEST-CENTRAL NEWFOUNDLAND

MAP 2008 - 17

LEGEND

- QUILLBROOK TRACT (QT)**
Unconformably overlies Early Ordovician volcanoclastic rocks generally represented by rhyolite flows and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.
- SOUTH BROOK TRACT (SBT)**
Unconformably overlies Early to Middle Ordovician volcanic rocks generally composed of andesitic and basaltic flows and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.
- DAVEY BROOK TRACT (DBT)**
Unconformably overlies Early to Late Ordovician igneous rocks and sedimentary rocks generally represented by andesitic and basaltic flows, and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.
- CATAMARAN BROOK TRACT (CBT)**
Unconformably overlies Early to Middle Ordovician volcanic rocks generally represented by andesitic and basaltic flows and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.
- BURN POND TRACT (BPT)**
Unconformably overlies Early to Middle Ordovician volcanic rocks generally represented by andesitic and basaltic flows and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.
- POWDERHORN LAKE TRACT (PLT)**
Unconformably overlies Early to Middle Ordovician volcanic rocks generally represented by andesitic and basaltic flows and associated breccias, tuffs, and sandstones, andesitic and basaltic flows, and associated breccias, tuffs, and sandstones. Also contains a variety of igneous rocks from the same period with granites and mafic intrusions.



OPEN FILE NFD2074
Geology by B. H. O'Brien (2000, 2005, 2006).
GIS digital cartography by J. Swan.
Base map in digital format published by Surveys and Mapping Branch, Natural Resources Canada, Ottawa.
Approximate magnetic declination, 1985, at centre of map 25° 27', decreasing 7.7' annually.
Elevations in metres above sea level; contour interval is 10 metres.
Unconformity between Devonian and Cambrian rocks.
North American Datum (NAD) 1987.
Copies of this map may be obtained from the Geoscience Publications and Information Section, Geological Survey, Department of Natural Resources, P.O. Box 8700, St. John's, N.S., Canada, A1B 4X6.
Website: Department http://www.gov.nl.ca/nl/geological_survey
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O'Brien, B. H. 2007. Geology of the Burnt Pond - Robert's Arm volcanic belt, near Great Gull Lake, in Current Research Newfoundland and Labrador Department of Natural Resources, Geological Survey, Report 7, pages 85-102.
Sawden, H. S., James, G. A., and Szymanski, Z. A. 1985. Stratigraphic and tectonic evolution of the Cambrian-Ordovician Laurentian margin of Avalon, Newfoundland and Labrador, Canada. In: The Nature of Magmatism in the Appalachian Orogen (Boulton, Colorado, Geological Society of America memoir 141), pages 337-365.

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