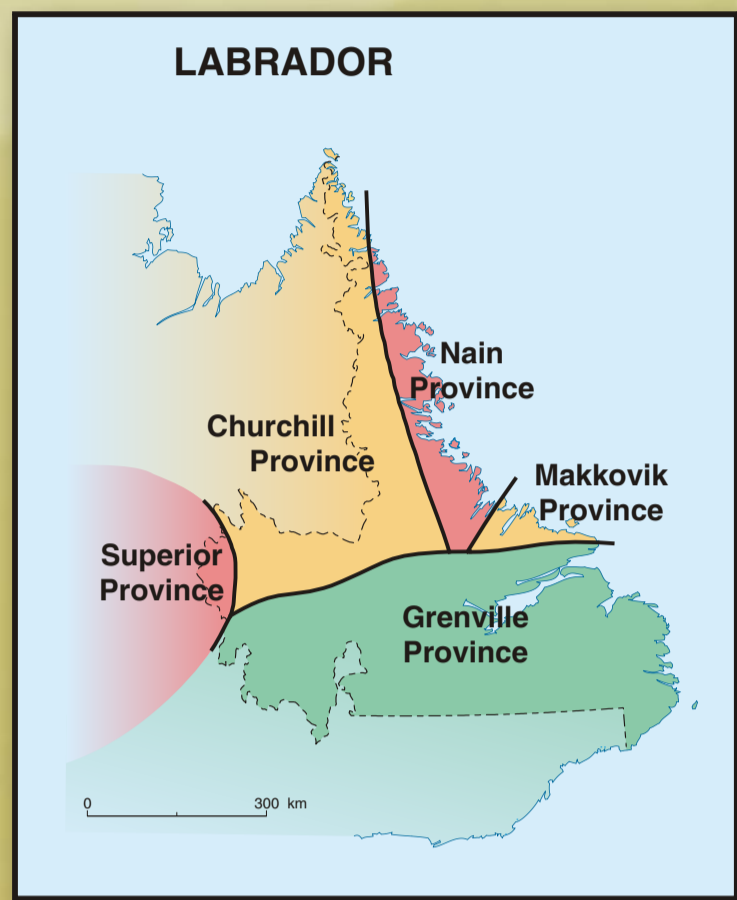


GEOLOGICAL MAP OF LABRADOR



INDEX MAP



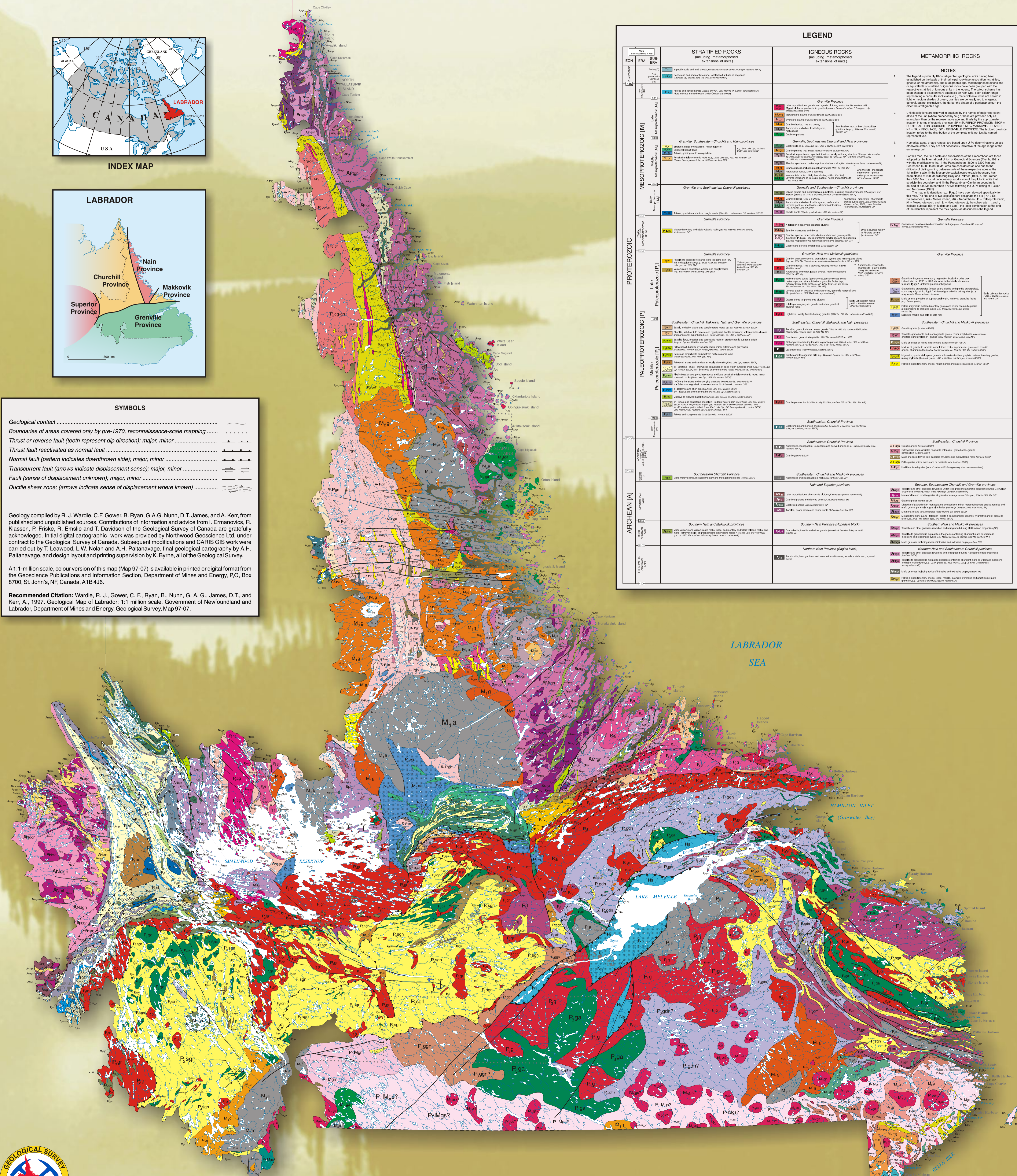
SYMBOLS

- Geological contact
- Boundaries of areas covered only by pre-1970, reconnaissance-scale mapping
- Thrust or reverse fault (teeth represent dip direction); major, minor
- Thrust fault reactivated as normal fault
- Normal fault (pattern indicates downthrown side); major, minor
- Transcurrent fault (arrows indicate displacement sense); major, minor
- Fault (sense of displacement unknown); major, minor
- Ductile shear zone; (arrows indicate sense of displacement where known)

Geology compiled by R. J. Wardle, C.F. Gower, B. Ryan, G.A.G. Nunn, D.T. James, and A. Kerr, from published and unpublished sources. Contributors of information and advice from I. Ermanovics, R. Klassen, P. Friske, R. Emslie and T. Davidson of the Geological Survey of Canada are gratefully acknowledged. Initial digital cartographic work was provided by Northwood Geoscience Ltd. under contract to the Geological Survey of Canada. Subsequent modifications and CARIS GIS work were carried out by T. Leewood, L.W. Nolan and A.H. Paltanavage, final geological cartography by A.H. Paltanavage, and design layout and printing supervision by K. Byrne, all of the Geological Survey.

A 1:1-million scale, colour version of this map (Map 97-07) is available in printed or digital format from the Geoscience Publications and Information Section, Department of Mines and Energy, P.O. Box 8700, St. John's, NF, Canada, A1B 4J6.

Recommended Citation: Wardle, R. J., Gower, C. F., Ryan, B., Nunn, G. A. G., James, D. T., and Kerr, A., 1997. Geological Map of Labrador; 1:1 million scale. Government of Newfoundland and Labrador, Department of Mines and Energy, Geological Survey, Map 97-07.



Age		LEGEND			
ERA	SUB-ERA	STRATIFIED ROCKS (including metamorphosed extensions of units)	IGNEOUS ROCKS (including metamorphosed extensions of units)	METAMORPHIC ROCKS	
PROTEROZOIC	MESOPROTEROZOIC (M)	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>NOTES</p> <ol style="list-style-type: none"> The legend is primarily stratigraphic; geological units having been established on the basis of their stratigraphic association, gradational or unconformable, and geochronological. Metamorphic ages are indicated by the age of the rock units in the legend. The color scheme has been chosen to show primary provinces or groups, each color representing a particular rock unit, e.g., multi-colored rocks are shown in light to medium shades of grey, granite and gneiss generally to magenta. In the case of multi-colored rocks, the darker the shade of a particular color, the older the stratigraphic age. Unit descriptions are followed by brackets by the names of major representatives of the unit where appropriate, e.g., these are granitic rocks with various grades of metamorphism, and gneisses with various grades of metamorphism. The color scheme has been chosen to show primary provinces or groups, each color representing a particular rock unit, e.g., multi-colored rocks are shown in light to medium shades of grey, granite and gneiss generally to magenta. In the case of multi-colored rocks, the darker the shade of a particular color, the older the stratigraphic age. Horizontal scale of age ranges are based upon 1:1M interpretations unless otherwise stated. They are not necessarily indicative of the age range of the entire map area. For this map, the time scale and subdivisions of the Proterozoic are those adopted by the International Union of Geological Sciences (IUGS, 1995) with the modification that the Palaeoproterozoic is subdivided into the Palaeoproterozoic (P), Mesoproterozoic (M), and Neoproterozoic (N) eras. The ability to distinguish between units of these respective ages at the 1:1 million scale, in the Mesoproterozoic/Neoproterozoic boundary is based upon 800 Ma following Bally and Palmer (1989), a 600 Ma after their 1989 study, and 600 Ma following the IUGS (1995) and the 600 Ma boundary of the IUGS (1995) as described in the legend. 	
	PALEOPROTEROZOIC (P)	Late Palaeoproterozoic (P)	<p>Grenville Province</p> <ul style="list-style-type: none"> Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT)
		Middle Palaeoproterozoic (P)	<p>Grenville Province</p> <ul style="list-style-type: none"> Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Grenville Province</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT)
	ARCHAEOZOIC (A)	Neoproterozoic (N)	<p>Nain and Superior provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Nain and Superior provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Nain and Superior provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT)
Mesoproterozoic (M)		<p>Southern Nain and Makkovik provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Southern Nain and Makkovik provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	<p>Southern Nain and Makkovik provinces</p> <ul style="list-style-type: none"> Late to post-tectonic granites and gneisses (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) Granite and gneiss (1000-900 Ma, various GPT) 	

