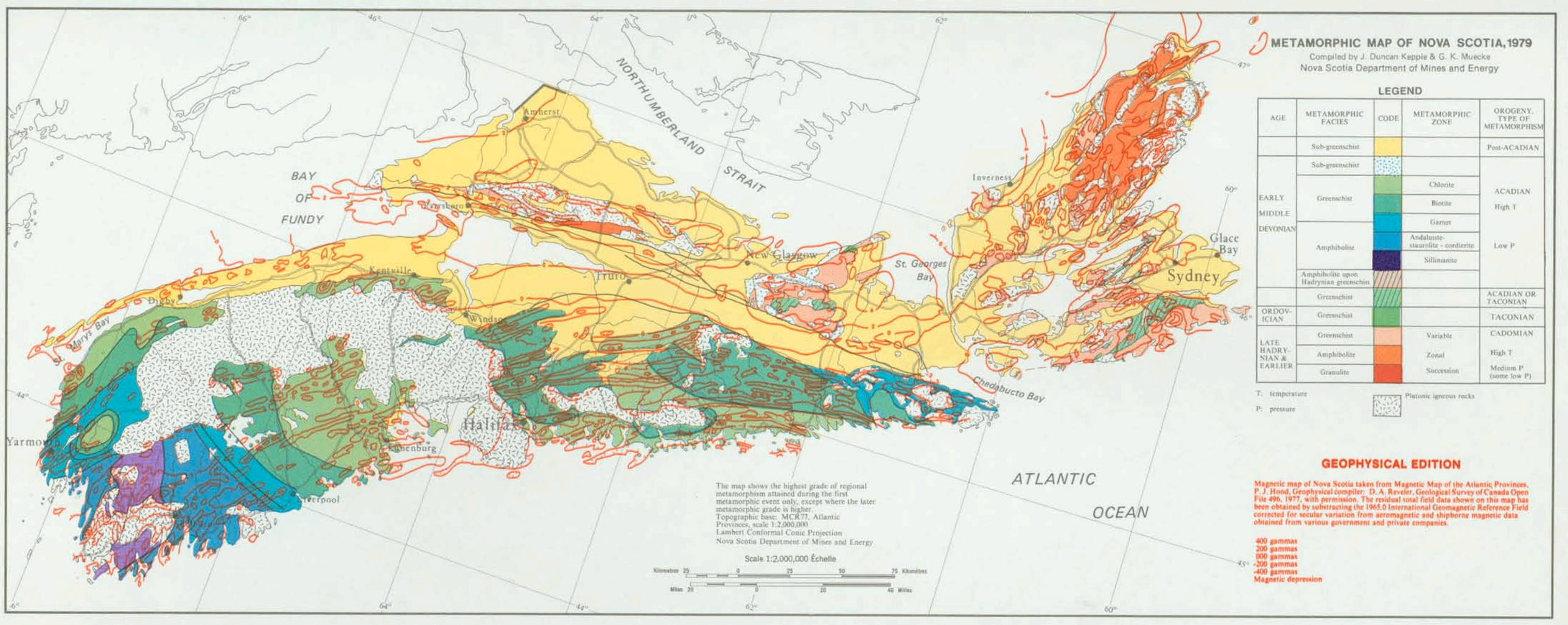
METAMORPHIC MAP OF NOVA SCOTIA, 1979
Compiled by J. Duncan Keppie & G. K. Muecke
Nova Scotia Department of Mines and Energy
LEGEND
AGE
METAMORPHIC FACIES
CODE
METAMORPHIC ZONE
OROGENY, TYPE OF METAMORPHISM
Sub-greenschist
Post-ACADIAN
EARLY MIDDLE DEVONIAN
Sub-greenschist
Greenschist
Chlorite
Biotite
Garnet
Amphibolite
Andalusite-staurolite - cordierite
Sillimanite
ACADIAN
High T
Low P
Amphibolite upon Hadrynian greenschist
Greenschist
ACADIAN OR TACONIAN
ORDOVICIAN
Greenschist
TACONIAN
LATE HADRYNIAN & EARLIER
Greenschist
Amphibolite
Granulite
Variable
Zonal
Succession
CADOMIAN
High T
Medium P (some low P)
T: temperature
P: pressure
Plutonic igneous rocks
The map shows the highest grade of regional metamorphism attained during the first metamorphic event only, except where the later metamorphic grade is higher.
Topographic base: MCR77, Atlantic Provinces, scale 1:2,000,000
Lambert Conformal Conic Projection
Nova Scotia Department of Mines and Energy
Scale 1:2,000,000 Échelle
Kilometres 25 0 25 50 75 Kilomètres
Miles 20 0 20 40 Milles
GEOPHYSICAL EDITION
Magnetic map of Nova Scotia taken from Magnetic Map of the Atlantic Provinces, P. J. Hood, Geophysical compiler; D. A. Reveler, Geological Survey of Canada Open File 496, 1977, with permission. The residual total field data shown on this map has been obtained by substracting the 1965.0 International Geomagnetic Reference Field corrected for secular variation from aeromagnetic and shipborne magnetic data obtained from various government and private companies.
400 gammas
200 gammas
000 gammas
-200 gammas
-400 gammas
Magnetic depression
NORTHUMBERLAND STRAIT
BAY OF FUNDY
ATLANTIC OCEAN
Amherst
Inverness
Glace Bay
Sydney
New Glasgow
Truro
St. Georges Bay
Kentville
Digby
Windsor
Halifax
Yarmouth
Liverpool
Chedabucto Bay
66°
64°
62°
60°
46°
44°
45°