



LEGEND

Tectonic domains (see text, Fig. 112) 1a-8
 Hadrynian (723 Ma) Franklin diabase dyke d
 Anomaly interpreted to represent a subsurface pluton p
 Helikian to Recent fault zone (dot indicates downthrown side)
 Late Aphebian fault, shear zone (teeth indicate direction of dip on early thrust; dot indicates downthrown side, arrows indicate relative horizontal displacement, both of later movement)

DESCRIPTION

Colour shaded relief aeromagnetic anomaly map of the map area and adjacent areas to the north and south. Aeromagnetics are related to rock types, major tectonic domains, faults and/or shear zones. Large lows rim high positive iron formation anomalies in the Mary River and Ege Bay regions and elsewhere. The northwest trending asymmetric low over the Milne Inlet Trough (domain 8) accurately depicts a broad gently northwest-plunging fault-bounded syncline inclined and down dropped to the northeast. Hadrynian Franklin diabase dyke anomalies (d) are most obvious where the dykes intrude the Piling Group in the south. Also in the south a fine arcuate linear pattern, convex to the northwest, may reflect northwesterly directed thrusts. Most parallel north-south aeromagnetic trends reflect the north-south flight lines. Shaded relief illuminated at an inclination of 45 degrees and a declination of 180 degrees. See figures 101, 113 for additional information.

Geology by G.D. Jackson 1996, Geological Survey of Canada
 To accompany GSC Memoir 440
 Aeromagnetic compilation provided by the Geophysics Data Centre, Geological Survey of Canada, Ottawa
 Digital cartography by R.L. Allard, Geoscience Information Division
 Digital base map at the scale of 1:1 000 000 from The Digital Chart of the World assembled and modified by Geoscience Information Division

Figure 111. Shaded relief aeromagnetic anomaly map and tectonic domains of north-central Baffin Island

Scale 1:1 000 000 - Échelle 1/1 000 000
 kilometres 25 0 25 50 75 kilometres
 Lambert Conformal Conic Projection Standard Parallels 49°N and 77°N
 Projection conique conforme de Lambert Parallèles d'échelle conservée: 49°N et 77°N
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