

DESCRIPTIVE NOTES

Previous work
Hudson Bay, Melville Peninsula has been the subject of geological and geophysical investigations since 1821 (Perry, 1824; Johnson, 1828).

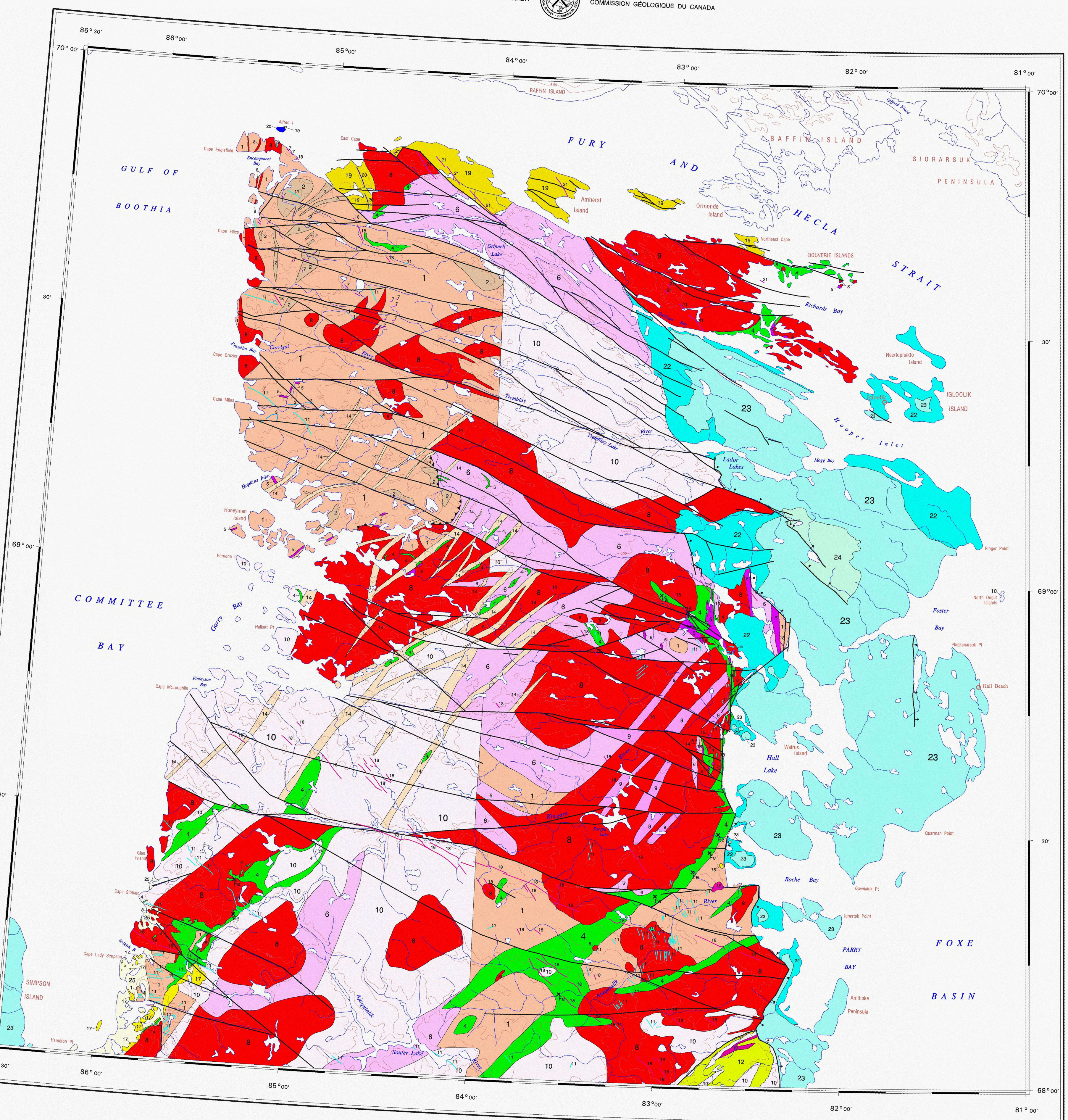
Jackson, G.D. and Taylor, F.C.
1972: Correlation of major Aphanitic rock units in the northeastern Canadian Shield, Canadian Journal of Earth Sciences, v. 9, p. 1650-1669.

General Geology
Northern Melville Peninsula consists of basement gneisses forming a horst bounding the Herby terrane Paleozoic carbonate rocks of the Foxe Basin Lowlands.

Sanford B.V.
1977: Ordovician rocks of Melville Peninsula, northeastern District of Franklin, in Geological Survey of Canada Bulletin 206, p. 7-21.

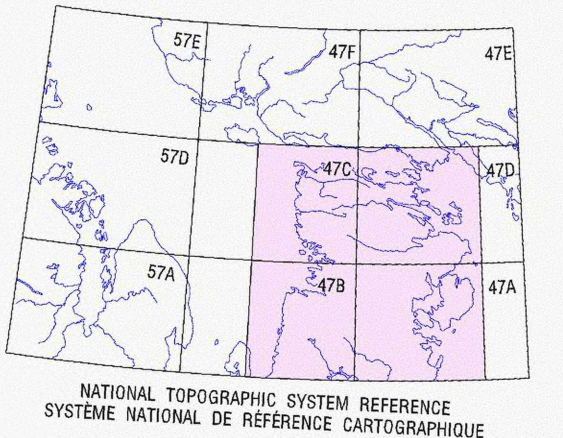
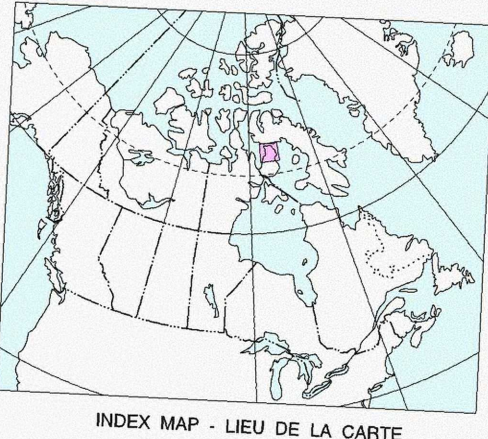
SELECTED BIBLIOGRAPHY AND REFERENCES

Blachard, R.D.
1963: Additional notes to accompany Map 3-1958 (Fury and Hecla Strait area) and Map 4-1958 (Foxe Basin North map-area), Geological Survey of Canada, Paper 62-25, 24 p.



LEGEND
CENOZOIC
25 Unconsolidated cover
PALEOZOIC ORDOVICIAN
24 Foster Bay Formation
23 Frobisher Bay and Amadiak Formations: undivided
22 Ship Point Formation
PROTEROZOIC NEOPROTEROZOIC CHYOSERIAN (1.65-85 Ga)
21 Franklin dykes
TONIAN (85-100 Ga)
20 Auldrigg Sill and related sills
MESOPROTEROZOIC ECTASIAN-STENIAN (1.0-1.4 Ga)
19 FURY-HECLA SUPERGROUP: sandstone
18 MacKenzie dykes and local sills in above group
CALYMANN (1.4-1.6 Ga)
17 Foltser Lake Formation: sandstone; schist, conglomerate
16 Quartzite
PALEOPROTEROZOIC STRATIHERIAN (1.6-1.8 Ga)
15 Roche Bay granites
OROSIRIAN (1.8-2.05 Ga)
14 Black Inlet ductile strain zones, straight gneisses
RHYACIAN (2.05-2.3 Ga)
13 Amibike Gneiss Complex and associated granites
PENNYN GROUP: undivided marbles, calcic gneisses, quartzite, and schists
12
SIDERIAN (2.3-2.5 Ga)
11 Late metabasite dykes
ARCHEAN NEOARCHEAN (2.5-2.8 Ga)
10 Melville Peninsula gneiss complex undivided 6, 7, 8 and 9
9 Granitoid gneisses, may include units 8 and 14
8 Hal Lake PLUTONIC COMPLEX and related plutons, porphyritic and massive granite-granodiorite
7 Metabasite dykes
6 Granitoid gneisses; well layered gneisses, part supracrustal
MESOARCHEAN (2.8-3.2 Ga)
5 Tebiqin Gabbro Suite, includes porphyritic, leuco- and metagabbro
4 Prince Albert Group: undifferentiated metasediments and metapelites including ultramafic units, quartzites, iron formations, includes some unit 5
3 Mafic sills and dykes
2 Leucogranites
1 Tonalite-granodiorite gneisses
Geological contact
Fault
Normal fault
Thrust fault
Iron showing

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GEOLOGY
NORTHERN MELVILLE PENINSULA
DISTRICT OF FRANKLIN
NORTHWEST TERRITORIES
Scale 1:500 000 - Echelle 1/500 000
Kilometres 10 0 10 20 30 40 Kilometres
OPEN FILE DOSSIER PUBLIC 2594
GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA
1993
NATIONAL TOPOGRAPHIC SYSTEM REFERENCE SYSTEME NATIONAL DE REFERENCE CARTOGRAPHIQUE



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Schau, M. 1993: Geology of northern Melville Peninsula, Geological Survey of Canada Open File 2594, scale 1:500,000.