

PRELIMINARY GEOLOGICAL MAP OF
WEST-CENTRAL CAPE BRETON HIGHLANDS

OFM-91-001
R. Horne
NTS reference 11K/7 & 11K/10

NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY
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HALIFAX, NOVA SCOTIA

1991

SCALE 1:25 000
miles 0 1 2
kilometres 0 1 2

LEGEND

DEVONIAN TO CARBONIFEROUS

- 8 MONZOGRANITE - medium- to coarse-grained, pink, megacrystic, biotite monzogranite.
- 7 MARGAREE PLUTON - medium- to coarse-grained, light grey to pink, highly megacrystic (commonly with rapakivi texture), biotite monzogranite.
- 6 WEST BRANCH NORTH RIVER PLUTON - medium- to coarse-grained, light grey (with distinctive pink K-feldspar megacrysts), megacrystic, hornblende-biotite granodiorite.
- 5 SOUTH MOUNTAIN PLUTON - (5a) medium grained, equigranular, pink to red, unfoliated to weakly foliated, biotite monzogranite.
(5b) strongly foliated (sheared) equivalent of 5a.

SILURIAN

- 4 TAYLORS BARREN PLUTON - medium- to coarse-grained, pink to red, variably foliated, augen granitic.

SILURIAN OR OLDER

- 3 BELLE COTE ROAD GNEISS - (3a) predominantly light grey, well foliated and banded, quartz-feldspar-biotite ± garnet (ortho?) gneiss with minor mafic gneiss and amphibolite.
(3b) predominantly mafic, well foliated and banded gneiss and amphibolite with minor 3a.

JUMPING BROOK METAMORPHIC SUITE

- 2 (2c) GEORGE BROOK AMPHIBOLITE - fine-, medium- and coarse-grained black, foliated and linedated to massive amphibolite.
- (2b) CORNEY BROOK SCHIST - medium- to coarse-grained pelitic schist characterized by large porphyroblasts of garnet, staurolite and kyanite.
- (2a) DAUPHINEE BROOK SCHIST - fine- to medium-grained, well foliated and linedated, grey-blue, pelitic, biotite-garnet schist and medium grained, light grey, moderately foliated, psammitic schist.

- 1 UNDIVIDED METAMORPHIC ROCKS - undivided metasedimentary, metavolcanic and meta-gneissous rocks.

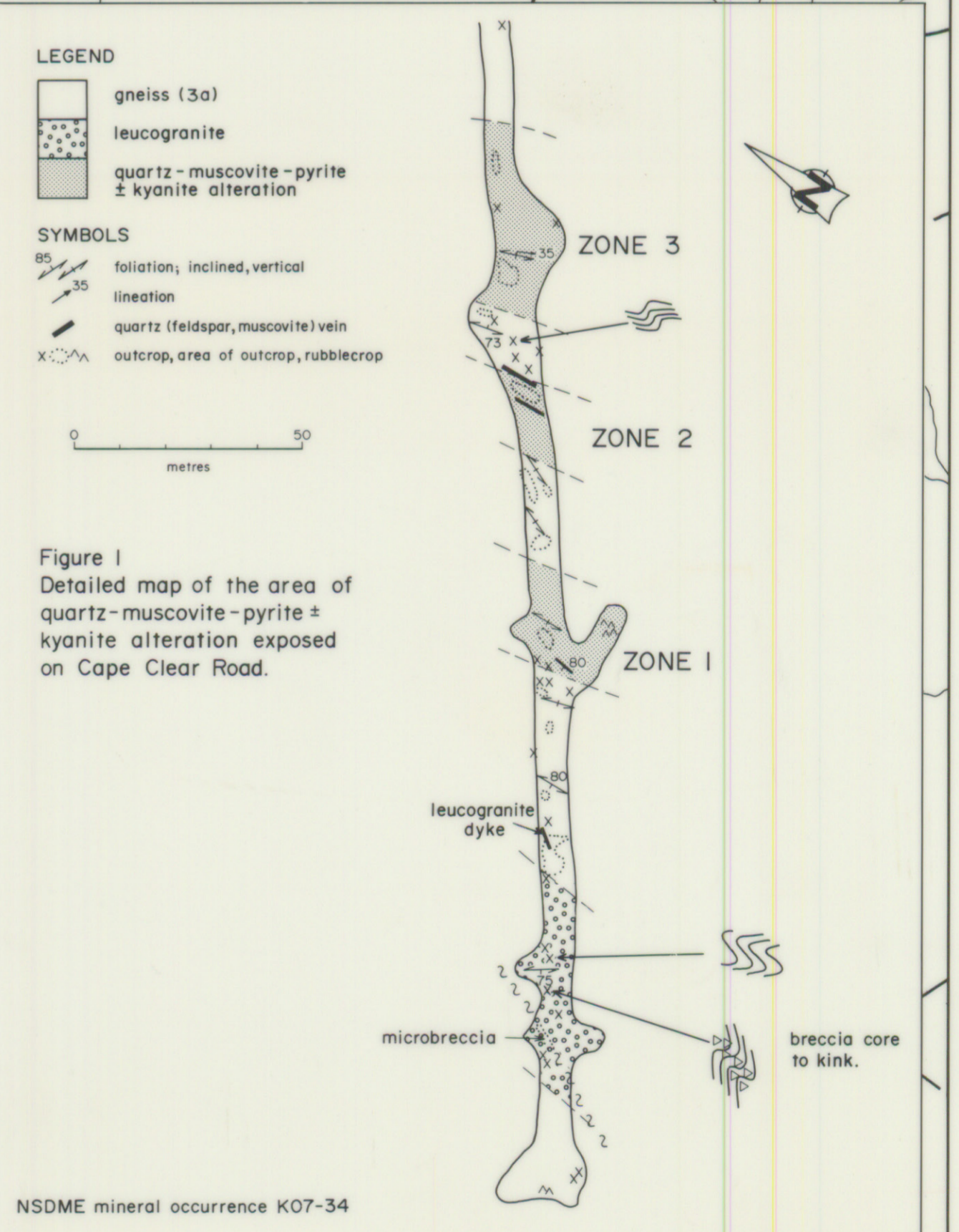
Note, unit names for units 1, 3, 4, 6 and 7 are adopted from Jamieson et al. (1987), Geological Survey of Canada Paper 87-13.

SYMBOLS

- x outcrop, area of outcrop, continuous stream section, rubblecrop
 - geological contact; defined, approximate, assumed, gradational
 - strike and dip of foliation; inclined, vertical, dip unknown
 - strike and plunge of lineation; inclined, horizontal
 - strike and dip of slickensided fractures; inclined, vertical
 - strike and dip of joint; inclined, vertical, horizontal
 - strike and dip of dyke; inclined, vertical
 - strike, dip and sense of motion of fault; defined, approximate, assumed
 - exposed cataclastic zone
 - strike and dip of mylonitic fabric; inclined, vertical
 - lineament, from air photographs
- K07-N N. S. D. M. E. mineral occurrence number

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- LEGEND
- gneiss (3a)
 - leucogranite
 - quartz - muscovite - pyrite ± kyanite alteration
- SYMBOLS
- foliation, inclined, vertical
 - lineation
 - quartz (feldspar, muscovite) vein
 - outcrop, area of outcrop, rubblecrop
- Scale: 0 50 metres

Figure 1
Detailed map of the area of quartz-muscovite-pyrite ± kyanite alteration exposed on Cape Clear Road.

NSDME mineral occurrence K07-34