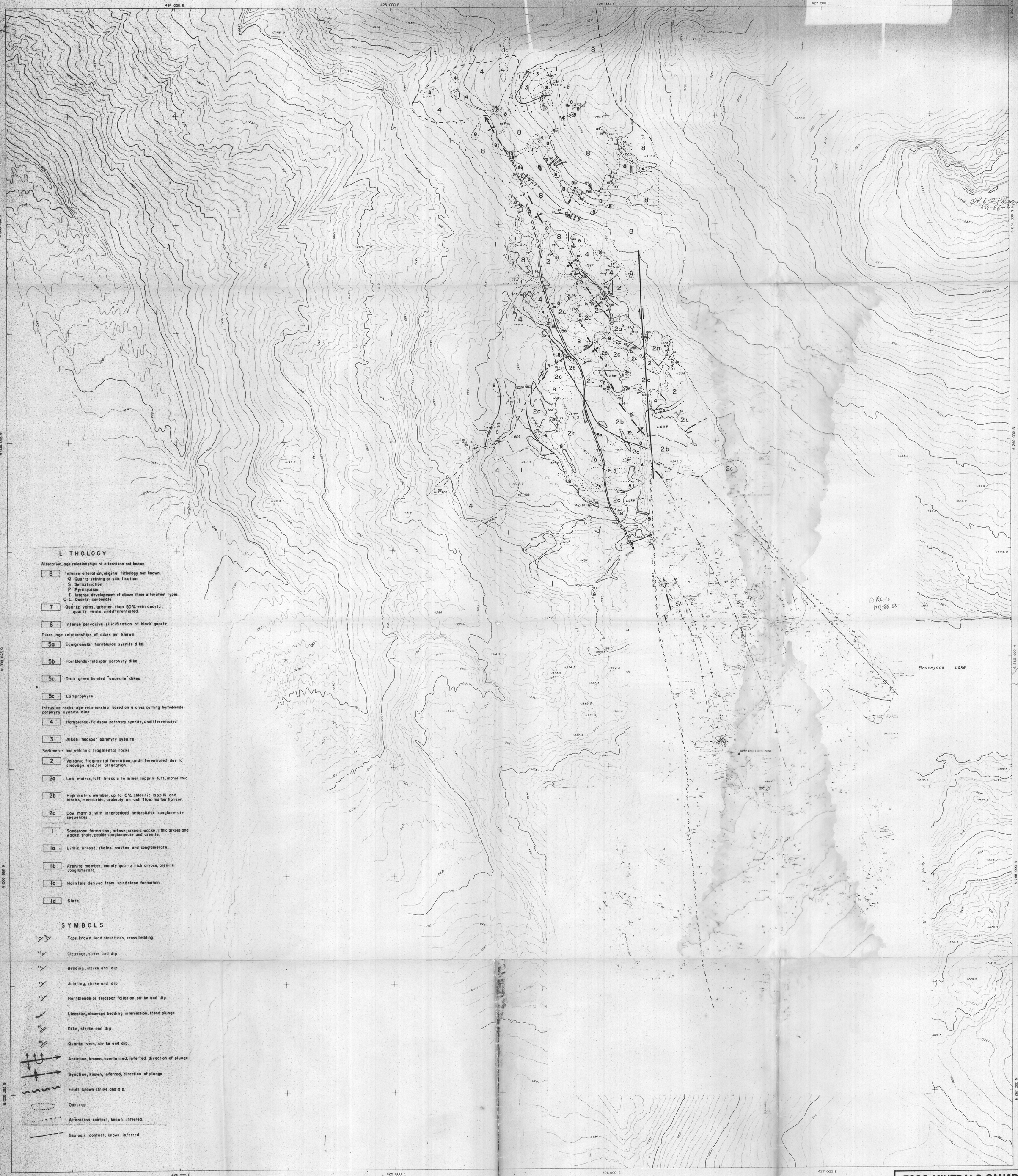


LITHOLOGY

Alteration, age relationships of alteration not known.

- **8** Intense alteration, original lithology not known.
  - Q Quartz veining or silicification.
  - S Sericitization
  - P Pyritization
  - I Intense development of above three alteration types
  - Q-C Quartz-carbonate
- **7** Quartz veins, greater than 50% vein quartz, quartz veins undifferentiated.
- **6** Intense pervasive silicification of black quartz.

Dikes, age relationships of dikes not known.

- **5a** Equigranular hornblende syenite dike.
- **5b** Hornblende-feldspar porphyry dike.
- **5c** Dark green banded "andesite" dikes.
- **5c** Lamprophyre

Intrusive rocks, age relationship based on a cross cutting hornblende-porphyry syenite dike

- **4** Hornblende-feldspar porphyry syenite, undifferentiated
- **3** Alkali feldspar porphyry syenite.

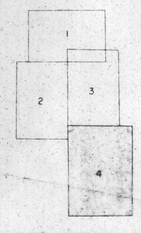
Sediments and volcanic fragmental rocks

- **2** Volcanic fragmental formation, undifferentiated due to cleavage and/or alteration.
- **2a** Low matrix, tuff-breccia to minor lappilli-tuff, monolithic
- **2b** High matrix member, up to 10% chloritic lappilli and blocks, monolithic, probably an ash flow, marker horizon.
- **2c** Low matrix with interbedded heterolithic conglomerate sequences.
- **1** Sandstone formation, arkose, arkosic wacke, lithic arkose and wacke, shale, pebble conglomerate and arenite.
- **1a** Lithic arkose, shales, wackes and conglomerate.
- **1b** Arenite member, mainly quartz rich arkose, arenite conglomerate.
- **1c** Hornfels derived from sandstone formation.
- **1d** Slate

SYMBOLS

- Tops known, load structures, cross bedding.
- 82 Cleavage, strike and dip.
- 57 Bedding, strike and dip.
- 37 Jointing, strike and dip.
- 71 Hornblende or feldspar foliation, strike and dip.
- 60 Lineation, cleavage bedding intersection, trend plunge.
- 80 Dike, strike and dip.
- 80 Quartz vein, strike and dip.
- Anticline, known, overturned, inferred direction of plunge
- Syncline, known, inferred, direction of plunge
- Fault, known strike and dip.
- Outcrop
- Alteration contact, known, inferred.
- Geologic contact, known, inferred.

Note: Reconnaissance Map. Control derived from 1:50000 N.T.S. Maps 104B/9 & 104B/8.



SCALE 1:5000

METRES 100 0 100 200 300 400 500 600 700 800 METRES

CONTOUR INTERVAL 20 metres

AUXILIARY CONTOUR INTERVAL 10 metres

inches 0 1 2

0 1 2 3 4 5 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

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CARTOGRAPHERS PHOTOGRAMMETRISTS SURVEYORS

ESSO MINERALS CANADA

SULPHURETS PROJECT

BRUCEJACK AREA GEOLOGY

Project No. 2122	Mining Division SKEENA
NTS 104 B/8	Drawn By G.T.
Date MAY 1983	Map No. 2153-75

803196 R.V. Kirkham