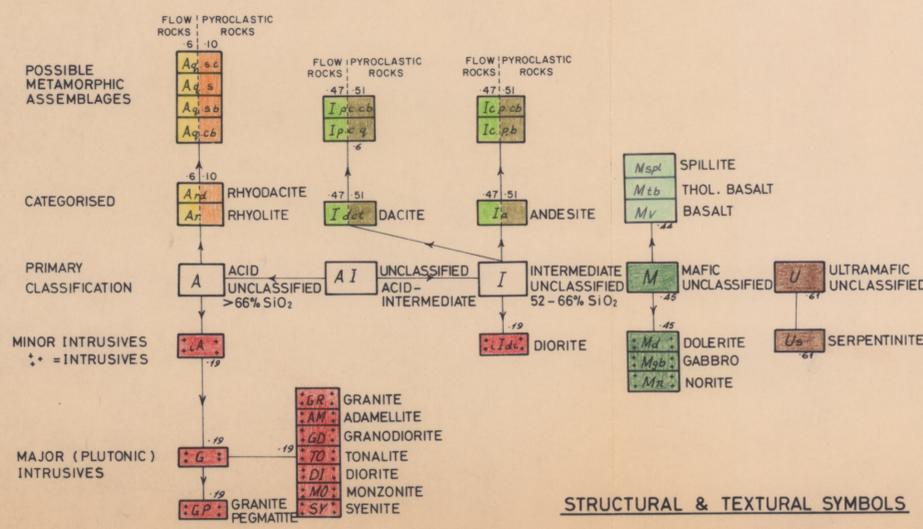
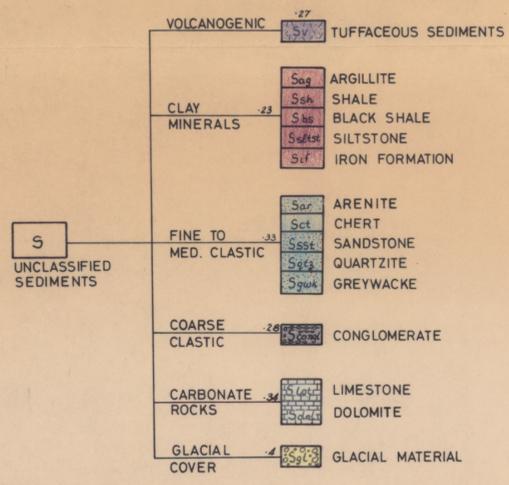


**IGNEOUS ROCKS**



**SEDIMENTARY ROCKS**



**STRUCTURAL SYMBOLS**

- FAULT
- DEFINITE CONTACT OR OUTCROP LIMIT
- - - APPROXIMATE CONTACT OR RUBBLE BOUNDARY
- ..... INTERPRETED CONTACT OR FLOAT BOUNDARY
- ~ SCHISTOSE ZONE
- ~ UNCONFORMITY
- ~ BEDDING
- ~ OVERTURNED BEDDING
- ~ CLEAVAGE
- ~ PRIMARY FOLIATION
- ~ JOINTING
- ~ PLUNGE
- ~ FOLD AXIS PLUNGE
- ~ FACING

**STRUCTURAL & TEXTURAL SYMBOLS**

- t UNDIFFERENTIATED TUFF
- lt LITHIC TUFF
- xt CRYSTAL TUFF
- vt VITRIC TUFF
- lapt LAPILLI TUFF 4-32mm
- b BRECCIA >32mm
- ag AGGLOMERATE >32mm
- bm BOMBS
- f (m) FIAMME (LENGTH IN cms.)
- pm PUMICE
- af ASH FLOW
- 9% quartz QUARTZ EYES/AUGEN TEXTURE
- pill PILLOWS
- fb FLOW BANDING
- fb FLOW BRECCIA
- lava LAVA
- a AMYGDALOIDAL
- s SPHERULITIC
- p PORPHYRITIC
- cl CLOTS
- ac ACICULAR
- oph OPHTIC
- cm CHILLED MARGIN
- pg PEGMATIC
- ve VEINS
- m MASSIVE
- clwd CLEAVED
- sch SCHIST
- ox OXIDISED
- ox LATERITE
- bd BEDDED
- xbd CROSS BEDDED
- thbd THICK BEDDED
- thbd THIN BEDDED
- lam LAMINATED
- gd GRADED OR DIRECTION OF DECREASING GRAIN SIZE
- lc LODE CAST
- sf SCOUR & FILL
- ves VESICULAR
- jev JOINTED
- stain STAINING
- afl ASH FALL

**IGNEOUS GRAIN SIZE**

- ucg VERY COARSE GRAINED >5 cm
- cg COARSE GRAINED 5cm-5mm
- mg MEDIUM GRAINED 5mm-1mm
- fg FINE GRAINED <1mm

**SILICATE MINERALOGY**

- q QUARTZ
- k K-FELSPAR
- ab ALBITE
- p PLAGIOCLASE
- a AMPHIBOLE
- px PYROXENE
- b BIOTITE
- c CHLORITE
- cb CARBONATE
- s SERICITE
- e EPIDOTE
- t TALC
- ba BARITE
- f FELSPAR
- hb HORNBLLENDE
- sd SIDERITE
- alb ALBITISED
- cbcd CARBONATED
- cd CHLORITISED
- sd SERICITISED
- sl SILICIFIED

**SULPHIDE & OXIDE MINERALOGY**

- bx BOXWORK
- su SULPHIDES
- goss GOSSAN
- pn PENTLANDITE
- hm HEMATITE
- cc CHALCOHITE
- cv COVELLITE
- bn BORNITE
- cp CHALCOPYRITE
- sp SPHALERITE
- ga GALENA
- py PYRRHOTITE
- py PYRITE
- il ILLMENITE
- lc LEUCOXENE
- mag MAGNETITE

**MINERALISATION**

- DIS 10% DISSEMINATED
- DIS 10-20% "
- DIS 2-25% "
- STR STRINGER
- MAS MASSIVE

**COLOURS**

- pl PALE
- dk DARK
- pk PINK
- rd RED
- org ORANGE
- yel YELLOW
- ol OLIVE
- grn GREEN
- bl BLUE
- grs GREY
- blk BLACK
- brn BROWN
- wht WHITE
- crm CREAM
- purp PURPLE

**TOPOGRAPHICAL SYMBOLS**

- W WATER RACE
- /- FENCE
- == FORMED ROAD
- TRACK
- RAILWAY
- +++ RAILWAY (ABANDONED)
- ~ RIVER
- ~ STREAM
- ~ LAKE
- ~ SWAMP
- ~ BUILDING
- ~ POWERLINE
- ~ TRIG. STATION
- ~ HILL
- ~ SHAFTS
- ~ ADIT
- ~ TRENCH
- ~ MINE OR QUARRY
- ~ DRILL HOLE - BARREN
- ~ DRILL HOLE - COLOUR FOR MINERALISATION
- ~ (L) DRILL HOLE - SIGNIFICANT OR POSSIBLE ORE GRADE AND WIDTH
- ~ (LL) DRILL HOLE - MINOR OR POSSIBLE SUB-ORE GRADE MINERALISATION
- ~ DRILL HOLE - FAILED TO REACH TARGET

**OPERATION OF LEGEND**

**DESCRIBING ROCK UNITS**

1. CAPITAL LETTER - INDICATES PRIMARY CLASSIFICATION eg S - Sedimentary Rocks, A - Acid Igneous Rocks
  2. LOWER CASE LETTERS - INDICATES THE FOLLOWING:
    - 2i AS PREFIXES IN PROGRESSIVE ORDER
      - (a) COLOURS eg (i) grn M = GREEN MAFIC IGNEOUS ROCK
      - (ii) pk/grn A = PINK FRAGMENTS OR PHENOCRYSTS IN AN ACID IGNEOUS ROCK WITH A GREEN MATRIX
      - (b) STRUCTURAL OR TEXTURAL FEATURES
        - eg x.t.A. = CRYSTAL TUFF OF ACID COMPOSITION
        - (ii) x.b.d.S. = CROSS BEDDED SEDIMENTARY ROCK
    - 2ii AS SUFFIXES IN PROGRESSIVE ORDER
      - (a) CATEGORISED: eg (i) Ar = RHYOLITE, (ii) Ssh = SHALE
      - (b) MINERALOGY: eg (i) p.Arf. = RHYOLITE WITH FELSPAR PHENOCRYSTS
      - (ii) Ags. = QUARTZ SERICITE ROCK OF ACID IGNEOUS ORIGIN
      - (iii) Ar.ab = ALBITISED RHYOLITE
- EXAMPLE - pk/grn clwd x.v.t. Ar.d.ab.c'd  
 pk/grn (COLOURS) - PINK CRYSTALS IN A GREEN MATRIX; clwd (STRUCTURAL FEATURE) - CLEAVED; x.v.t. (TEXTURE) - CRYSTAL VITRIC TUFF; A (PRIMARY SUBDIVISION) - ACID IGNEOUS ROCK; rd. (CATEGORISED) - RHYODACITE; ab. (PRIMARY MINERALOGY) - ALBITE PHENOCRYSTS; c'd. (ALTERATION MINERALOGY) - CHLORITISED.

-10- COLOUR OF CUMBERLAND "DERWENT" N° 19 PENCIL

ELECTROLYTIC ZINC CO. OF ASIA. LTD.	
PROJECT: MT. BLACK	TAS.
GEOLOGICAL LEGEND	
FOR EXPLORATION MAPPING	
DATE: 10/75	REVISED: 12/75
REF. NO.	PLATE 17