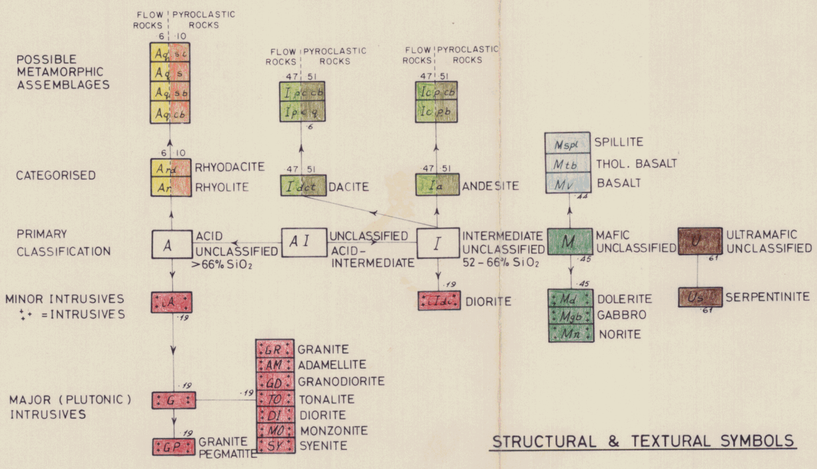
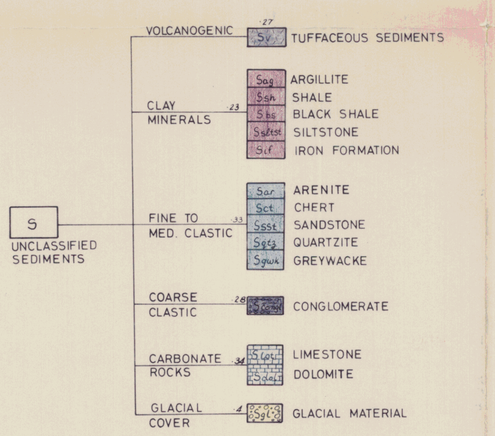
IGNEOUS ROCKS



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 UNDIFERENTIATED TUFF
- lt LITHIC TUFF
- xt CRYSTAL TUFF
- vt VITRIC TUFF
- lpt LAPILLI TUFF 4-32mm
- b BRECCIA >32mm
- ag AGGLOMERATE >32mm
- bm BOMBS
- fm(3) FIAMME (LENGTH IN cms.)
- pm PUMICE
- ab ASH FLOW
- qe QUARTZ EYES/AUGEN TEXTURE
- pil PILLOWS
- fb FLOW BANDING
- fa FLOW BRECCIA
- LAVA
- a AMYGDALOIDAL
- s SPHERULITIC
- p PORPHYRITIC
- cl CLOTS
- Σ ACICULAR
- oph OPHITIC
- CHILLED MARGIN
- pg PEGMATIC
- vns VEINS
- m MASSIVE
- clvd CLEAVED
- sch SCHIST
- ox OXIDISED
- LATERITE
- bd BEDDED
- x bd CROSS BEDDED
- THbd THICK BEDDED
- thbd THIN BEDDED
- lam LAMINATED
- gd GRADED OR DIRECTION OF DECREASING GRAIN SIZE
- LODE CAST
- sf SCOUR & FILL
- ves VESICULAR
- jtd JOINTED
- stain STAINING
- afl ASH FALL

IGNEOUS GRAIN SIZE

- vcg VERY COURSE 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 (STAEDTLER 104-10)
- f FELSPAR
- hb HORNBLENDE
- sd SIDERITE

- a'b ALBITISED
- cb'd CARBONATED
- c'd CHLORITISED
- s'd SERICITISED
- si. SILICIFIED

SULPHIDE & OXIDE MINERALOGY

- bx BOXWORK
- Sul SULPHIDES
- gos GOSSAN (RED / JAR)
- pn PENTLANDITE
- hm HEMATITE
- cc CHALCOCITE
- cv COVELLITE
- bn BORNITE
- cp CHALCOPYRITE
- sp SPHALERITE
- gn GALENA
- po PYRRHOTITE
- py PYRITE
- il ILLMENITE
- lx LEUCOXENE
- mag MAGNETITE

MINERALISATION

- DISS 10% DISSEMINATED (STAEDTLER 104-2)
- DISS 10-20% "
- DISS ~25% "
- STR STRINGER
- MAS MASSIVE

COLOURS

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

TOPOGRAPHICAL SYMBOLS

- WATER RACE
- FENCE
- FORMED ROAD
- TRACK
- RAILWAY
- RAILWAY (ABANDONDED)
- RIVER
- STREAM
- LAKE (LAKE)
- SWAMP
- BUILDING
- POWERLINE
- TRIG STATION
- HILL (BALD HILL)
- SHAFTS
- ADIT
- TRENCH
- MINE OR QUARRY
- DRILL HOLE - BARREN
- DRILL HOLE - COLOUR FOR MINERALISATION
- (c) DRILL HOLE - SIGNIFICANT OR POSSIBLE ORE GRADE AND WIDTH (STAEDTLER 104-2)
- (cc) DRILL HOLE - MINOR OR POSSIBLE SUB-ORE GRADE MINERALISATION (STAEDTLER 104-10)
- DRILL HOLE - FAILED TO REACH TARGET

OPERATION OF LEGEND

DESCRIBING ROCK UNITS

S Sedimentary Rocks
A - Acid Igneous Rocks

1. CAPITAL LETTER - Indicates Primary Classification eg
2. LOWER CASE LETTERS - Indicates The Following:

2.i 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 vxt A. = Crystal Tuff of Acid Composition

(ii) x bd S = Cross Bedded Sedimentary Rock

2.ii AS SUFFIXES In Progressive Order

(a) CATEGORISED eg (i) Ar = Rhyolite, (ii) Ssh = Shale;

(b) MINERALOGY eg (i) pAr'i = Rhyolite with Felspar Phenocrysts

(ii) Ags = Quartz Serikite Rock of Acid Igneous Origin

(iii) Ar a'b = Albitised Rhyolite

EXAMPLE - pk/grn clvd x vt A rd ab c'd

pk/grn (Colours) - Pink Crystals in a Green Matrix; clvd (Structural Feature) - cleaved; x vt (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 A'ASIA. LTD.	
PROJECT: MT. BLACK	TAS.
GEOLOGICAL LEGEND FOR EXPLORATION MAPPING	
111288	
80-141 (Vol 4/6)	REF. NO. PLATE I
DATE: 10/75 REVISED: 12/75	

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