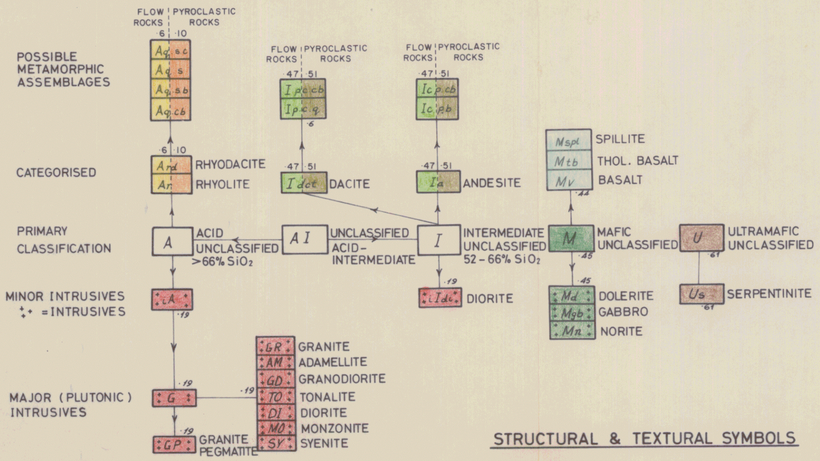
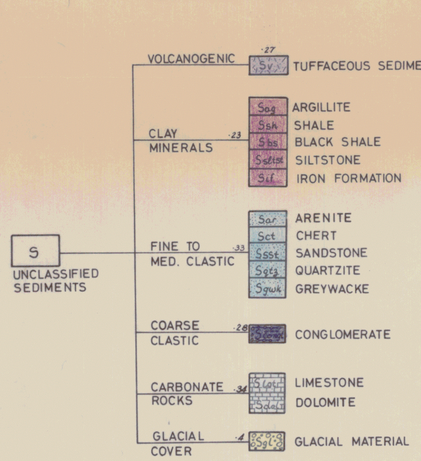
IGNEOUS ROCKS



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 / qaug — QUARTZ EYES/AUGEN TEXTURE
- pil — PILLOWS
- fb — FLOW BANDING
- fa — FLOW BRECCIA
- — LAVA
- a — AMYGDALOIDAL
- s — SPHERULITIC
- p — PORPHYRITIC
- cl — CLOTS
- Σ — ACICULAR
- opx — 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
- ash — 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
- bi — 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 (KEB 1/4)
- 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
- dk — 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
- SWAMP
- BUILDING
- POWERLINE
- TRIG. STATION
- BALD HILL — HILL
- SHAFTS
- ADIT
- TRENCH
- MINE OR QUARRY
- DRILL HOLE - BARREN
- DRILL HOLE - COLOUR FOR MINERALISATION
- (i) DRILL HOLE - SIGNIFICANT OR POSSIBLE ORE GRADE AND WIDTH (STAEDTLER 104-2)
- (ii) DRILL HOLE - MINOR OR POSSIBLE SUB-ORE GRADE MINERALISATION (STAEDTLER 104-10)
- 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 vx.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) pAr.f. = Rhyolite with Felspar Phenocrysts.

(ii) Ag.s. = Quartz Sericite Rock of Acid Igneous Origin

(iii) Ar.a'b. = Albitised Rhyolite

EXAMPLE - pk/grn. clvd. x.v.t. A rd. ab. c'd.

pk/grn (Colours) - pink crystals in a green matrix; clvd (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 A'ASIA. LTD.

PROJECT: MT. BLACK | TAS.

GEOLOGICAL LEGEND

FOR EXPLORATION MAPPING

80-1468 Vol VI

DATE: 10/75 | REVISED: 12/75 | REF. NO. PLATE I

058850