

### LEGEND

**QUATERNARY**

- SNAMP
- ALLUVIUM
- MORAINES AND SCREE

**DEVONIAN**

- BELL SHALE (SHALE, SILTSTONE, MINOR SANDSTONE)

**SILURO-DEVONIAN**

- SHALES, SANDSTONE, QUARTZITE

**ORDOVICIAN**

- GORDON LIMESTONE
- OWEN CONGLOMERATE

**CAMBRIAN**

- TUNES BRECCIA AND SEDIMENTS (NEWTON CREEK SANDSTONES)
- COMSTOCK TUFFS

**TYNDALL GROUP**

- CONGLOMERATE
- EPICLASTIC VOLCANIC BRECCIA
- GREYWACKE AND QUARTZITE
- SHALE AND SILTSTONE

**MAFIC INTRUSIVES, GABBRO, DOLERITE**

- MAFIC EXTRUSIVES, BASALT, SPLITE

**INTERMEDIATE (HORNBLÉNDE) - FELDSPAR PORPHYRY SILLS**

- INTERMEDIATE APHANTIC OR PORPHYRITIC (FELDSPAR) LAVAS
- ACID QUARTZ, QUARTZ - FELDSPAR, QUARTZ - FELDSPAR - MICA PORPHYRY SILLS
- ACID QUARTZ - FELDSPAR - MICA - HORNBLÉNDE? LAVAS
- ACID, SPARSELY PORPHYRITIC (FELDSPAR) OR APHANTIC LAVAS AND/OR SILLS

**IGNEOUS**

- AGGLOMERATE (>32 MM)
- LAPILLI TUFF (4-32 MM)
- COARSE GRAINED TUFF (1-4 MM)
- FINE - MEDIUM GRAINED TUFF (<1 MM)
- VOLCANIC BRECCIA/CONGLOMERATE (EPICLASTIC)
- SHALE AND SILTSTONE (OFTEN FINELY/COARSELY INTERBEDDED WITH TUFFS)
- CHERT

**PIROCLASTICS**

- COARSE GRAINED TUFF (1-4 MM)
- FINE - MEDIUM GRAINED TUFF (<1 MM)
- VOLCANIC BRECCIA/CONGLOMERATE (EPICLASTIC)
- GREYWACKE AND SANDSTONE
- SHALE AND SILTSTONE (SOMETIMES INTERBEDDED WITH TUFFS)

**QUEENSTOWN**

- MASSIVE SILICEOUS CRYSTAL TUFF

**HENTY - VOLANDE**

- MASSIVE HARD BLUE/BLACK PORPHYRITIC (FELDSPAR) LAVA OR INTRUSIVE

**OLD WORKINGS**

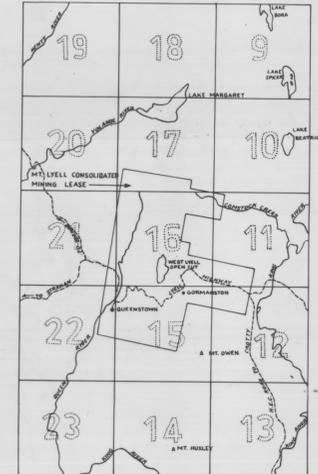
- Py - PYRITE
- Cqp - CHALCOPYRITE
- Q - QUARTZ VEINING
- G - GOSSAN
- A - ANTICLINE
- S - SYNCLINE

**BEDDING WITH DIRECTION OF DIP (E(80°) E = EAST ETC.)**

- Vertical Bedding
- Schistosity or Cleavage
- Fault

**Facing and Type of Layer**

- GB - GRADED BEDDING
- C - CONTACT
- SF - SHALE FRAGMENT
- F - FLAMES



03.4917

THE MOUNT LYELL M. & R. COY. LTD. GEOLOGICAL DEPARTMENT	DRAWN. R.K.Z.
HENTY - YOLANDE AREA E.L. 41/71 SHEET 24	TRACED. A.M.
GEOLOGICAL FIELD NOTES	CHECKED.
	DATE. 20/6/73
	SCALE. 1" = 500'
	1:5000

1:6,000  
 TYNDALL  
 SHEET 24  
 GEOLOGY  
 OUTCROP