



GEOLOGY OF THE BRALORNE MAP AREA

By B.N. Church, M. MacLean, R.G. Gaba, M.J. Hanna
and D.A. James
RELEASED FEBRUARY 1988

LEGEND

BEDDED ROCKS

- TERTIARY**
- 7** (Eocene?) Felsic and intermediate lavas, hoodoo forming pyroclastics and minor sedimentary rocks
- LOWER CRETACEOUS**
- 6** TAYLOR CREEK GROUP: mostly boulder and pebble conglomerate and sandstone (6a) with some intercalated shales and micaceous sandstones (6b)
- UPPER JURASSIC**
- 5** RELAY MOUNTAIN GROUP: buchta-bearing grey shales, siltstones, tuffaceous and polymictic conglomerate
- TRIASSIC**
- 4** CADWALLADER GROUP:
HURLEY FORMATION: soft brown and green argillites, siliceous and calcareous argillites with sandstone and conglomerate (4a), limestone (4b) and volcanoclastics (4c)
 - 3** NOEL FORMATION: mainly black argillite and siltstone with some calcareous zones
 - 2** PIONEER FORMATION: basaltic pillow lava (2a), aquagene breccia and lenses of limestone breccia (2b), tuffs and amygdaloidal lava (2c)
- PALEOZOIC**
- 1** FERGUSSON GROUP: mostly ribbon chert (1a), ranging to biotite quartz gneiss (1b), some marble bands (1c) and fine-grained amphibolite (1d)

IGNEOUS INTRUSIONS

- TERTIARY**
- D** REX PEAK PORPHYRY: a felsic phase of the (Eocene) Mission Ridge pluton and equivalent stocks, sills and dykes
- CRETACEOUS**
- C** COAST INTRUSIONS: biotite and hornblende diorite, granodiorite and granite (including the various phases of the Eldorado (Ca) and Bendor (Cb) stocks)
- MESOZOIC**
- B** ULTRABASIC ROCKS: peridotite, serpentine and listwanite (Ba)
- PALEOZOIC**
- A** BRALORNE INTRUSIONS: mostly heterogeneous amphibolite, diorite and gabbro with felsic veinlets

SYMBOLS

- Geological Boundary
- Bedding — horizontal, inclined
- Foliation, schistosity
- Fold Axis (plunge)
- Glacial Striae
- Fault — approximate, assumed
- Roads
- Topographic contours (interval, 50 metres)
- Properties — Mines
- Prospects

