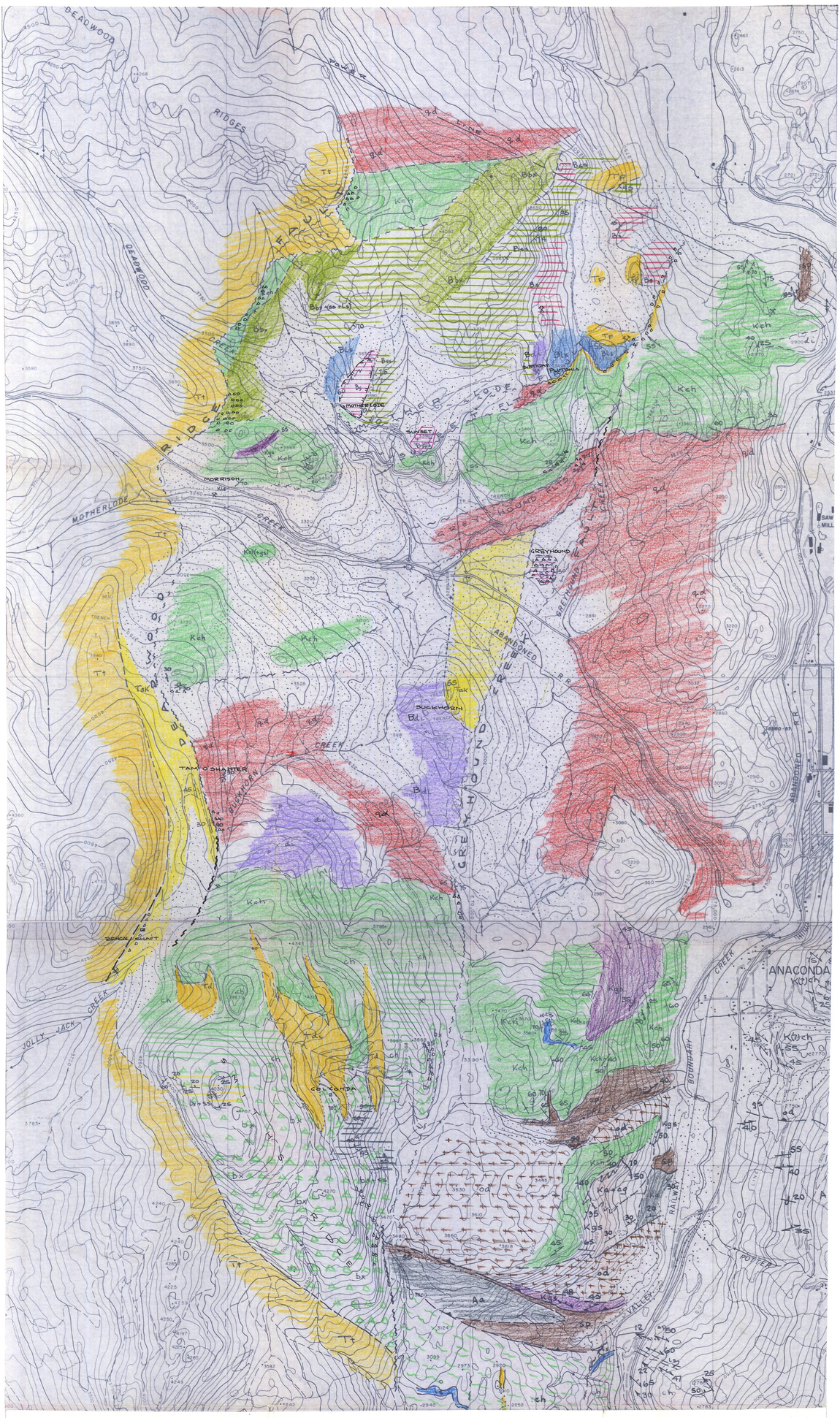


GEOLOGICAL MAP OF THE MOTHERLODE-TAM O'SHANTER AREA

LEGEND

PRINCETON GROUP (TERTIARY)

- Tt — TRACHYTE & TRACHYANDESITE FLOWS
- Td/Tp/Tb — DIORITE, FELDSPAR PORPHYRY, AND BASALT DYKES
- Tak — ARKOSE BUFF SANDSTONE AND SILTSTONE

BROOKLYN FORMATION (TRIASSIC)

- Bdi — MICRODIORITE & DIORITE
- Bls — LIMESTONE & MARBLE
- Bs — SKARN (WITH CHALCOPYRITE)
- Bss — HORNFELSIC SANDSTONE & SILTSTONE
- Bbx — HORNFELSIC CHERT BRECCIA (SHARPSTONE CONG.)

KNOB HILL GROUP (PALEOZOIC)

- Kch — BUFF TO WHITE CHERT & QUARTZITE
- Kgs — GREENSTONE & AMPHIBOLITE

ATTWOOD FORMATION (PALEOZOIC)

- Aa — DARK GREY ARGILLITE, MINOR LIMESTONE

METAMORPHIC ROCKS

- ch/ph — METACHERT, GREY & GREEN PHYLLITE
- lm — CRYSTALLINE LIMESTONE

PLUTONIC ROCKS

- qd — QUARTZ DIORITE & DIORITE
- od — OLD DIORITE COMPLEX
- SP — SERPENTINITE

SEDIMENTARY AND SILICIFIED ROCKS (TERTIARY?)

- ch — BUFF TO WHITE QUARTZITE
- bx — CHERT SANDSTONE & BRECCIA
- ss — BUFF SANDSTONE & SILTSTONE
- a — BLACK SILTSTONE.

AREAS OF LITTLE OR NO OUTCROP

CRUSHED & BRECCIATED ZONES

FAULT - DEFINED, APPROX, ASSUMED

CONTACT - DEFINED, APPROX, ASSUMED

ATTITUDE OF BEDDING

ATTITUDE OF FOLIATION & SCHISTOSITY

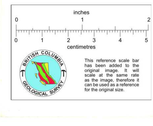
PLUNGE OF MINOR FOLDS & LINEATION.

ADIT PORTAL, PROSPECT WORKING, SHAFT

OPEN PIT, "PLUTONIA" NAME OF OLD CROWN GRANT

SCALE 1:12,000

GEOLOGY BY JAMES T. FYLES

1984 - 1985

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