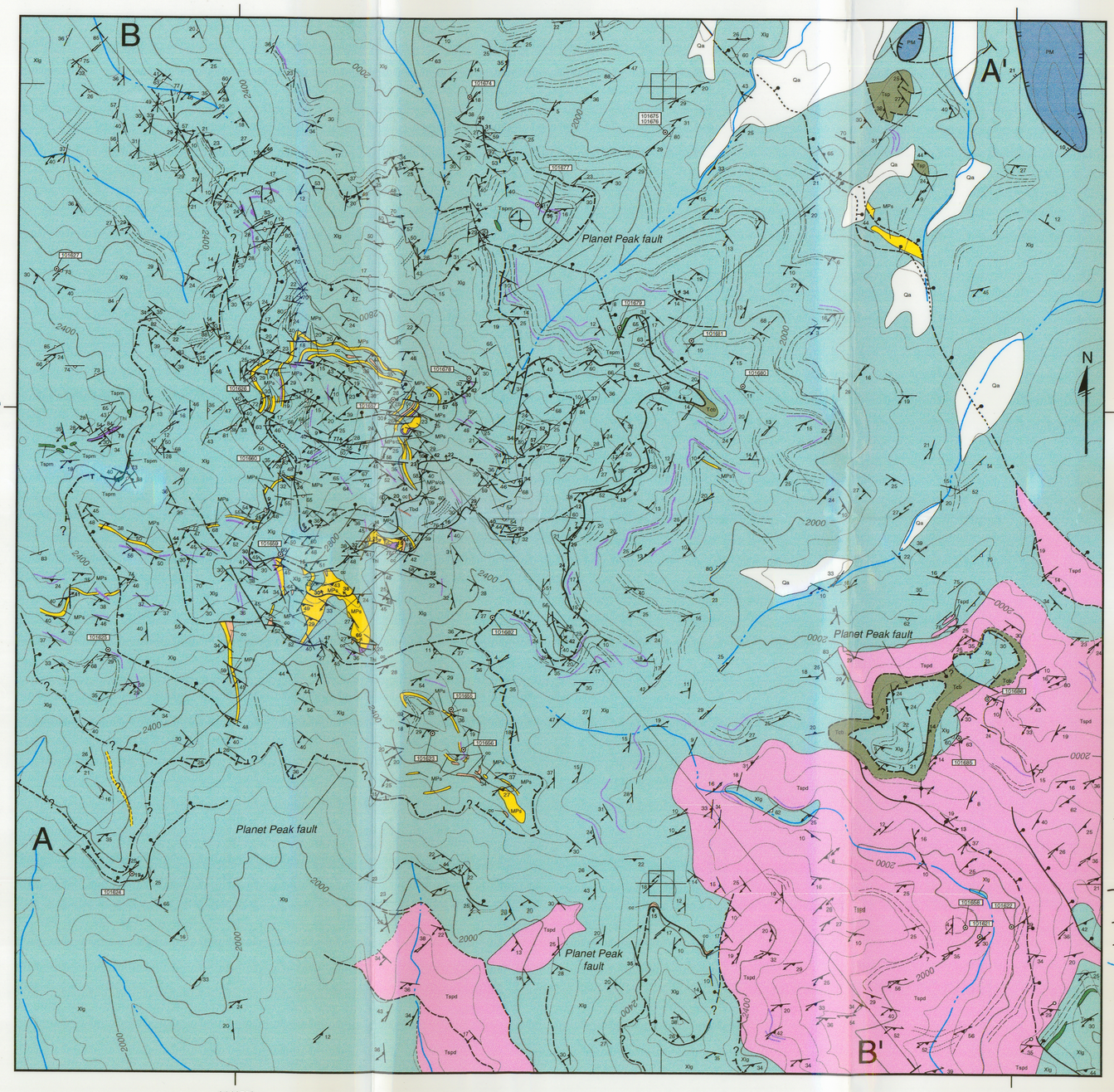
GEOLOGICAL MAP OF THE PLANET PEAK SUMMIT

Plate 9



MAP UNITS

Post-extension
- Qa — Recent alluvium

Upper plate

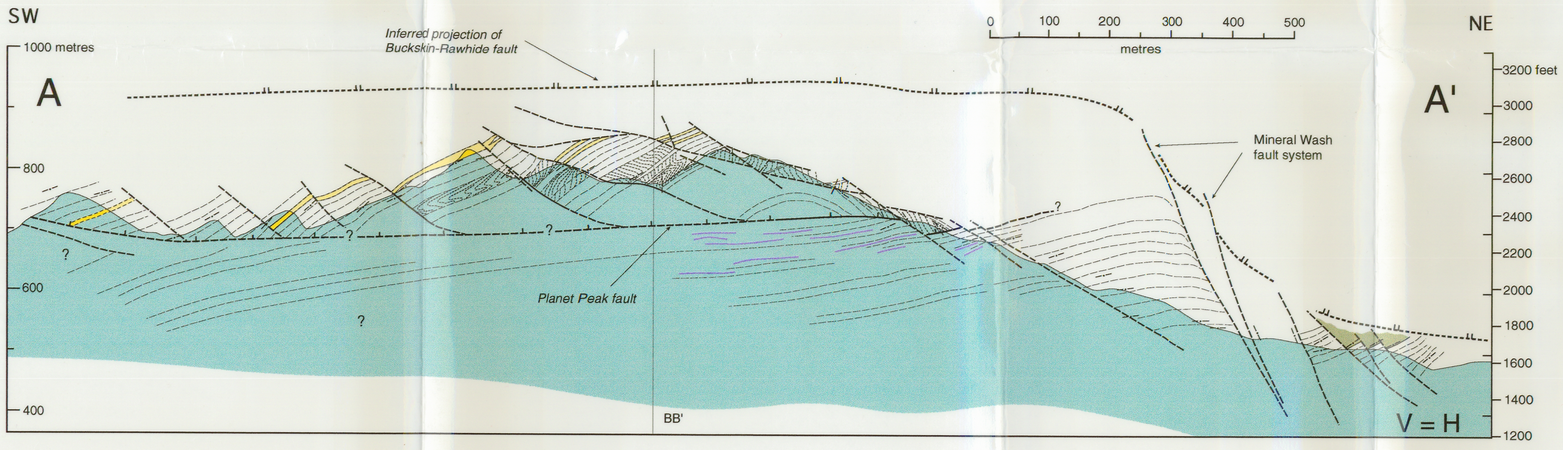
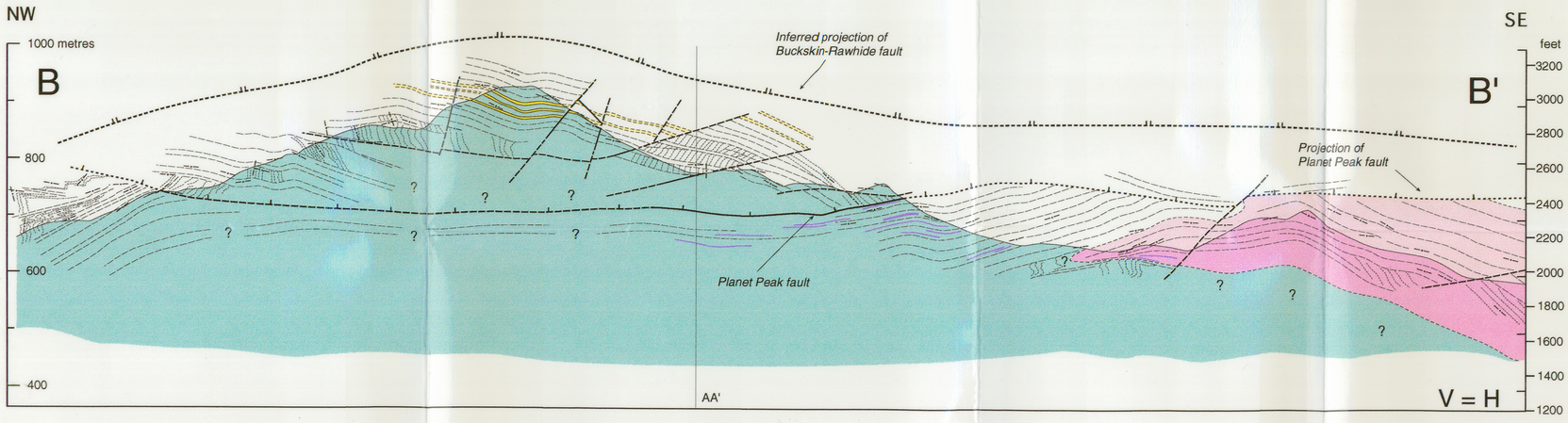
Pre-extension
- PM — Palaeozoic-Mesozoic (undiff.)

Lower plate

Syn-extension
- Tcb — Chloritic breccia (Miocene)
- Tbd — Basaltic dykes (Miocene?)
- Thi — Hypabyssal rocks (Oligo-Miocene?)
- Tspm — Hornblendite (Oligo-Miocene?)
- Tspd — Quartz-diorite (Oligocene?)
- Tsp — Swansea Plutonic Suite (Oligo-Miocene)

Pre-extension
- MPs — Metasedimentary rocks (Palaeozoic-Mesozoic)
- cc — Calcite marble
- Xlg — Layered migmatitic gneiss (Early Proterozoic)

MAP SYMBOLS

- Strike and dip of detachment fault
- Strike and dip of mylonitic foliation
- Horizontal mylonitic foliation
- Trend of vertical mylonitic foliation
- Trend of mylonitic extension lineation
- Trend of horizontal extension lineation
- Sense of shear (*e.g.* top-to-the-NE)
- Strike and dip of cryptic early foliation in Tspd
- Strike and dip of gneissic foliation
- Trend of vertical gneissic foliation
- Trend of fold axis or intesection lineation
- Trend of fault striations
- Apparent dip of foliation *(cross-sections)*
- Sample location
- Cross-section location
- Geological boundary (dashed where inferred, dotted where concealed)
- Trace of mylonitic foliation
- Trace of gneissic foliation in "Xlg" or cryptic foliation in "Tspd"
- Detachment fault (dashed where inferred, dotted where concealed)
- Low-angle fault, showing dip (dashed where inferred, dotted where concealed)
- Normal fault, showing dip (dashed where inferred, dotted where concealed)
- Creek

TITLE: GEOLOGICAL MAP OF THE PLANET PEAK SUMMIT
LOCATION: Buckskin Mountains, La Paz County, Arizona
SCALE: 1:5000 **CONTOUR INTERVAL:** 80 feet
MAPPING: R. J. Scott (1992)
DRAFTED: R. J. Scott, B. E. Isles, D. Gelt