Plate 10

STRUCTURAL MAP OF THE PLANET PEAK AREA

R.17 W. R.16 W.

114°00′

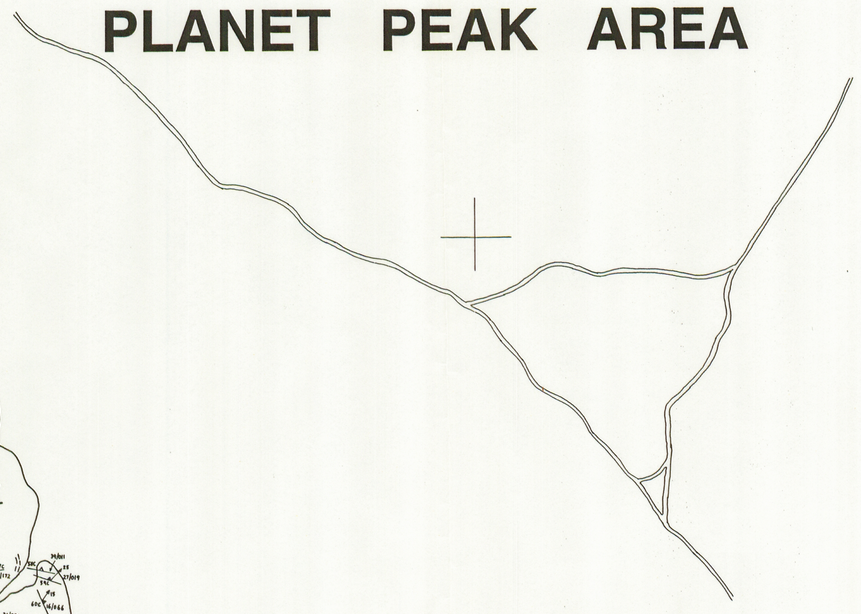
113°57′30″

34°07′30″

34°10′

T.10 N.

T.9 N.



MAP UNITS

Post-detachment

- Qa — Recent alluvium
- Qo — Older Quaternary alluvium

Upper plate

- Tc — Miocene Hydrothermal carbonate
- Jv — Jurassic Planet Volcanics
- PM — Palaeozoic-Mesozoic (undiff.)

Lower plate

- Tcb — Miocene chloritic breccia
- Thl — Oligo-Miocene hypabyssal dykes and sills
- Tspm — Oligo-Miocene hornblendite
- Tspd — Oligo-Miocene hornblende diorite
- Tsp — Oligo-Miocene Swansea Plutonic Suite
- Kg — Cretaceous granite
- MPs — Mesozoic-Palaeozoic metasedimentary rocks
- Xgg — Proterozoic granitic gneiss
- Xlg — Proterozoic layered gneiss

LEGEND

- 35/335 — dip/dip direction of mylonitic foliation
- 14 — plunge of mylonitic lineation
- 55/335 — dip/dip direction of cryptic foliation in Tspd
- 85/335 — dip/dip direction of gneissic foliation
- gneissic foliation (vertical dip)
- 10/335 — dip/dip direction of detachment fault
- A1-A99, etc — outcrop locality number (Feb-Apr 1992)
- 1A-99A, etc — outcrop locality number (Nov-Dec 1992)
- formlines (gneissic and mylonitic foliation)
- unit boundaries (dashed where interpreted, dotted under cover)
- normal fault (dashed where interpreted, dotted under cover)
- Planet Peak fault (dashed where interpreted)
- Buckskin detachment fault (dashed where interpreted, dotted under cover)
- Road
- 4WD-track

All faults and geological boundaries shown on **Plate 8** and not shown here are interpreted

T.N. M.N. 14·5°

Scale 1:10,000

0 500 1000 metres

0 0.5 1.0 miles

TITLE: STRUCTURAL MAP OF THE PLANET PEAK AREA
LOCATION: Buckskin Mountains, La Paz County, Arizona
SCALE: 1:10000
MAPPING: R. J. Scott (1992)
DRAFTED: R. J. Scott