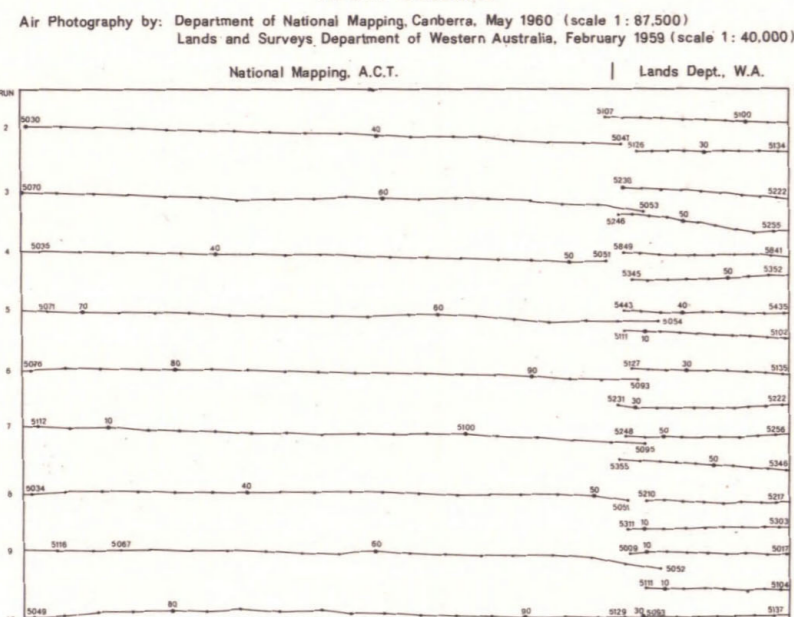


SYMBOLS

- Geological boundary
Fault:
Approximate
Concealed
Inferred and concealed
Bedding:
Strike and dip measured
Strike and dip unmeasured
Horizontal
Vertical
Overturned
Trend of bedding or foliation
Plunge of minor fold axis
Lineation with plunge
Unconformity of stretched pebbles
Igneous banding:
Inclined
Metamorphic foliation:
Inclined
Vertical
Cleavage:
Inclined
Vertical
Current direction (cross-bedding)
Flow direction in acid volcanics
Specimen locality
- Aboriginal reserve boundary (approximate)
Highway, formed only
Track
Horizontal control, major
Spot height, approximate
Locality
Position doubtful
Sand dunes
- Watercourse, intermittent
Ancient drainage line, mainly in caliche
Waterhole
Rockhole
Grass hole
Well
Bore
- Mineral occurrence:
Copper
Fluorite
Hematite
Ochre
Titaniferous magnetite with vanadium

FLIGHT DIAGRAM

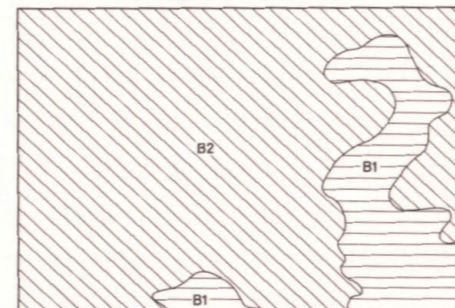


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Copies of this map may be obtained from the Geological Survey of Western Australia in Perth, or the Bureau of Mineral Resources, Geology and Geophysics in Canberra, A.C.T.



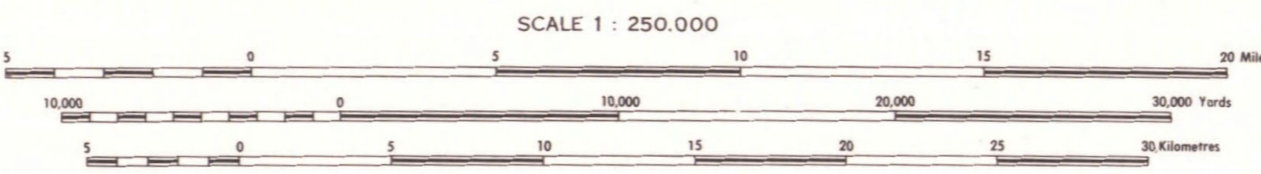
RELIABILITY DIAGRAM



B1: Numerous traverses with air photo interpretation
B2: Air photo interpretation with a few traverses



MR. A. F. GRIFFITH, M.L.C.
MINISTER FOR MINES
J. H. LLOYD, DIRECTOR, GEOLOGICAL SURVEY

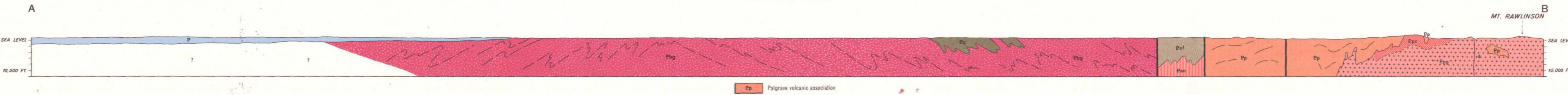


UNIVERSAL TRANSVERSE MERCATOR PROJECTION
ZONE 52 AUSTRALIAN NATIONAL SPHEROID

DIAGRAMMATIC SECTION

NATURAL SCALE

SECTION A - B



REFERENCE

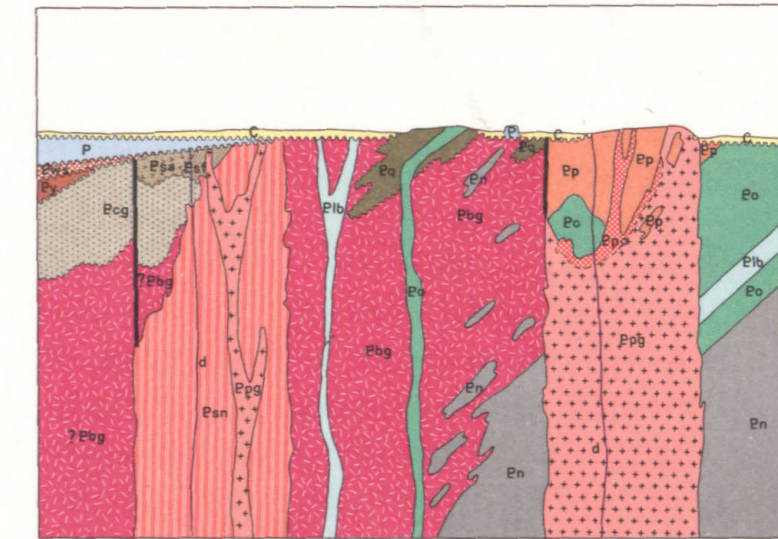
- Quaternary
Cenozoic
Tertiary
Palaeozoic
Permian
- Qa Alluvium and river gravel
 - Qr Lake deposits—clay and silt
 - Qs Eolian sands
 - Qcc Colluvium—partly consolidated
 - Ca Caliche, calcareous gravel and opaline silica
 - Cl Laterite and lateritic gravel
 - Cx Deeply weathered rock—weathering mainly affects Phanerozoic rocks
 - P Sandstone, peridotite siltstone, and pebble beds—fluvioglacial and glacial deposits

- Bentley Supergroup
Palaeozoic
Permian
Triassic
Jurassic
Cretaceous
Tertiary
Quaternary
- Pv1 TOWNSEND QUARTZITE: quartzite and sandstone
 - Pv2 Porphyritic volcanic rocks. Some white porphyritic rhyolite
 - Pv3 Deformed basalt—abundant perlitic cracks
 - Pv4 Agglomerate—acid volcanic fragments
 - Pv5 Tuff—acidic, green-green
 - Pv6 Quartzite with minor acid lava and tuff
 - Pv7 Siliceous breccia—possibly associated with faulting in Pva
 - Pv8 Feldite—pink to brown, feldspar crystalline, altered Pva
 - Pv9 Porphyritic acid volcanic rock—abundant flow-banding, much white porphyritic rhyolite
 - Pv10 ALYDE FORMATION: amphibolite, mica schist and marble. Originally basic amphibolite (felsic, tuff, shale, siltstone and dolomite)
 - Pv11 Amphibolite and garnet amphibolite—originally amphibolite basic lavas
 - Pv12 Quartzite and quartz-muscovite schist—well bedded, relict cross-bedding

IGNEOUS ROCKS

- Diabase sheets and dikes—several ages
Granite
Granophyre and minor granite—generally related to the Palaeozoic volcanic association
Porphyritic microgranite—related to Pvg
Gabbro, trachyte, anorthositic gabbro—generally well banded
Continental gabbroic rocks
Granophyre—closely related to Pvg
Granitic gneiss—closely related to Pvg and Pvg1
Complex of adamellite gneiss, adamellite and relic masses of granulate, much migmatization

DIAGRAMMATIC RELATIONSHIP OF ROCK UNITS



- Unconformity
C Unconformity
Pv Palaeozoic volcanic association
Pv1 Palaeozoic Group (not exposed)
Pv2 Granulite and downgraded granulite
Unconformity

DECLINATION DIAGRAM



INDEX TO ADJOINING SHEETS

WARRI SG 51 - 4	CORB SG 52 - 1	RAWLINSON SG 52 - 2
BROWNE SG 51 - 8	BENTLEY SG 52 - 5	SCOTT SG 52 - 6
YOWALGA SG 51 - 12	TALBOT SG 52 - 9	COOPER SG 52 - 10