

SYMBOLS

- Geological boundary
Fault
Accretion
Contact
Folds
Anticline, showing plunge
Syncline, showing plunge
Plunge of minor folds
Bedding
Inclined
Vertical
Trend line, air photo treatment
Fencing
General
Pit
Pit
Gravel building
Differentiation in igneous bodies
Mineral foliation in igneous rocks
Inclined
Vertical
Isomorphism
Foliation in metamorphic rocks
Inclined
Vertical
Isomorphism
Sedimentation in metamorphic rocks
Inclined
Vertical
Lineation
Pervasion
Horizontal
Radiometric sample locality
- Mineral field boundary
Highway with national route marker
Formed road
Track
Railway (3'') disused, with siding
Township, gazetted, less than 1000 pop
Homestead
Building
Locality
Airfield
Landing ground
Horizontal control : major, minor
Benchmark, height accurate
Spot elevation
- Watercourse, intermittent
Pool
Well
Bore
Windpump
Rushhole
Spring
Suck
Dam
Tank
Abandoned
- Mine (may or may not be working)
Prospect
Mineral occurrence
Beryl
Copper
Garnet, common opal
Gold
Graw
Gypsum
Heavy mineral sands
Lead

REFERENCE

- Di Lacustrine deposits - mixed plays and dune association, clay, silt and sand deposits; mainly saline
Dm Dune - sand at lake margin, includes kelp marked as gypsum (Gp) mineral occurrence
Dp Play - clay, silt, and mainly saline
Cm Alluvial and cultural deposits - transported clay, sand and siltic fragments; may be indurated
Cg Laterite gravel, sand, includes minor clay
Ck Carbon in mature drainage zones and ancient dunes
Cs Sand and clay deposited in channels and adjacent flood plains
Cr Residual deposits - sand, clay, duricrust
Cn Sandplain - yellow sand commonly shallow worked, includes some red caliche sand on plateau remnants
Cl Lignite - commonly on top of breakways; may include consolidated grit on a stepped surface
Csl Silcrete - siliceous duricrust

- Dikes - d: mafic, commonly diabase; d: coarse-grained leucogabbro

- Veins - q: quartz; p: quartz-feldspar porphyry; g: granitic, quartz diorite to diorite
Overprint indicating granitoid rocks strongly foliated, isomorphous and/or mylonitised

- Granitoid rocks
Ag Andesite - medium to coarse-grained, medium to fine-grained, includes minor andesite
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Ag Granite to andesite - medium to coarse-grained and porphyritic, includes minor andesite and andesite
Ag Granite to andesite - even-grained and porphyritic, includes minor andesite and andesite
Ag Granite - fine to medium even-grained, commonly contains abundant biotite and feldspar megacrysts, developed vertically above
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- Supracrustal rocks
Al Felsic (granite, leucogabbro) volcanic and sedimentary rocks unmetamorphosed
Al Felsic volcanic rocks - banded to massive, fine to medium-grained amphibolite with sulfurous and agglomeratic layers; rhyolite to dacite composition; may include minor sedimentary rocks
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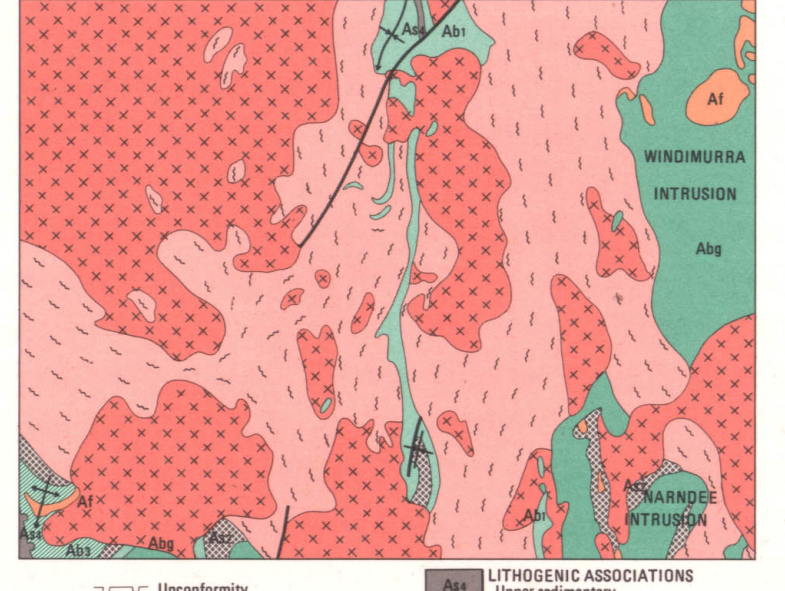
- Archean
Al Mafic rocks unmetamorphosed - may include minor felsic and ultramafic rocks
Al Gabbro - medium to coarse-grained actinolite-plagioclase rocks, some with accessory quartz; may contain minor ultramafic differentiates
Al Diabase - fine to medium-grained actinolite-plagioclase rocks, some with accessory quartz; may contain minor ultramafic differentiates
Al Differentiated flow and/or rock with pyroxenite or peridotite base
Al Basalt - fine-grained to aphanitic plagioclase-pale amphibole rocks, include massive, variolitic, amygdaloidal and pillowed varieties
Al Mafic volcanic rocks - intermediate layers of felsic and ultramafic volcanic rocks common
Al Basaltic agglomerate and minor tuffaceous rocks - may include minor felsic volcanic rocks
Al Amphibolite - pale and dark amphibole-plagioclase rocks, commonly in agglomeratic remnants; developed in zones of high strain

- Al Ultramafic rocks unmetamorphosed - includes minor mafic rocks
Al Serpentinized - serpentinized mafic rocks commonly with rhyolite texture present; formed after peridotite
Al Pale magnetite amphibole-chlorite rocks - some with minor sericitic, commonly schistose
Al Talc schist - includes minor chlorite and pale magnetite amphibole; some mafic rocks included
Al Ultramafic volcanic rocks - predominantly pyroxenite varieties, mostly composed of pale amphibole-chlorite; reflect olivine
Al Pyroxenite and peridotite - partly hydrated and altered

- Al Banded iron formation - includes banded chert
Al Hematite magnetite quartz to banded iron formation
Al Magnetite (hematite) amphibole quartz to banded iron formation - amphibole may be pale magnetite type or granitic
Al Chert
Al Jaspilite - red and black banded iron formation
Al Sedimentary rocks unmetamorphosed - includes open to massive iron-pelitic rock
Al Pelitic to semi-pelitic quartz-feldspar rocks - includes siliceous, shale, phyllite and schist; may be laminated, graded or massive; includes minor quartzite and quartzite
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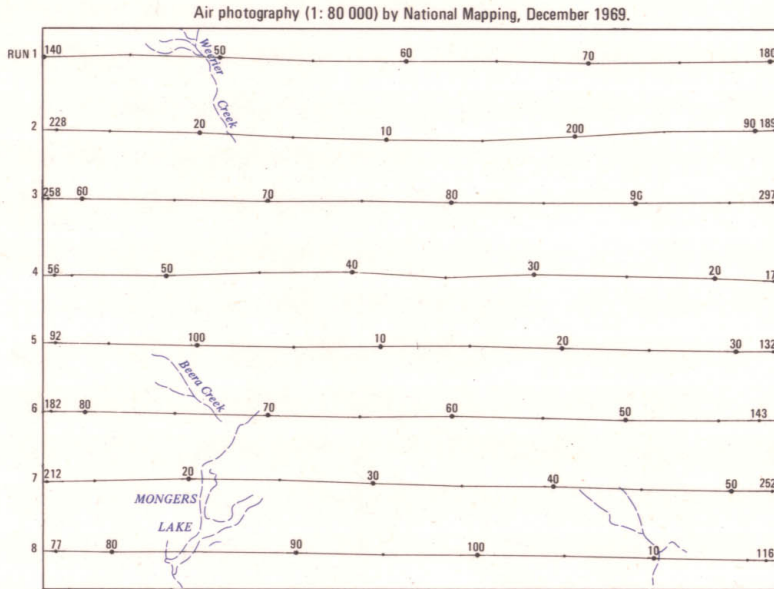
- Overprint indicating deeply weathered or soil covered rock

INTERPRETED PRECAMBRIAN GEOLOGY

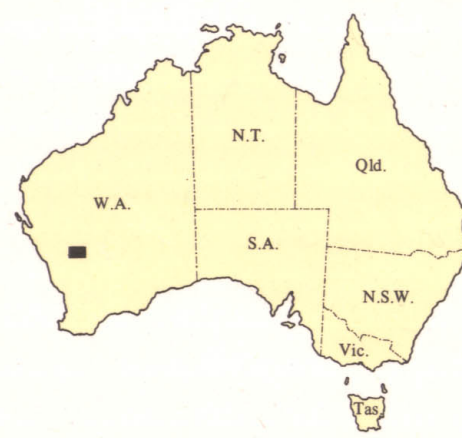


- Uncertainty
Granitoids
Unconformity
Stratigraphically, recrystallized
Lithogenic associations
Upper sedimentary
Lower sedimentary
Lower volcanic

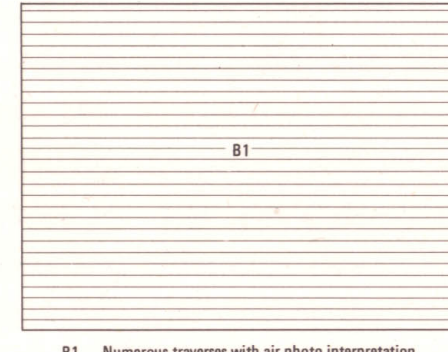
FLIGHT DIAGRAM



Compiled and published by the Geological Survey of Western Australia, Cartography by the Geological Mapping Section, Department of Mines, Topographic base from compilation by the National Mapping, Canberra, A.C.T.
Copies of this map may be obtained from the Geological Survey of Western Australia, 66 Adelaide Terrace, Perth.



RELIABILITY DIAGRAM

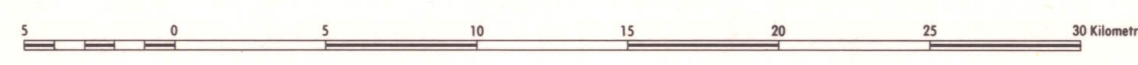


81 Numerous traverses with air photo interpretation



HON. P. JONES M.L.A.
MINISTER FOR MINES
A.F. TRENDALL, DIRECTOR, GEOLOGICAL SURVEY

SCALE 1:250 000



TRANSVERSE MERCATOR PROJECTION
ZONE 1 AUSTRALIA SERIES

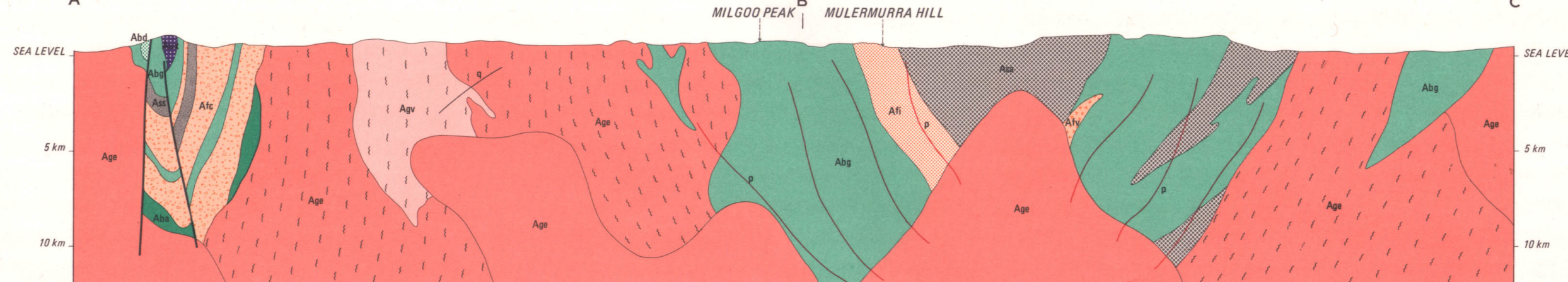
Grid represents the 1000 metre superimposed Australian Map Grid

DIAGRAMMATIC SECTION

NATURAL SCALE

SECTION A-B-C

MILGOO PEAK MULERMURRA HILL



INDEX TO ADJOINING SHEETS

MURGOO SG 50-14	CUE SG 50-15	SANDSTONE SG 50-16
YALGOO SH 50-2	KIRKALOCKA SH 50-3	YOUNG SH 50-4
PERENJORI SH 50-6	NINGHAM SH 50-7	BARLEE SH 50-8

DECLINATION DIAGRAM

