

SCALE 1:100 000

1 0 1 2 3 4 5 6 7 8 9 10

KILOMETRES

GREY NUMBERED LINES ARE 1 000 METRE INTERVALS OF THE MAP GRID OF AUSTRALIA 1994, ZONE 56 UNIVERSAL TRANSVERSE MERCATOR PROJECTION

HORIZONTAL DATUM: GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA94)

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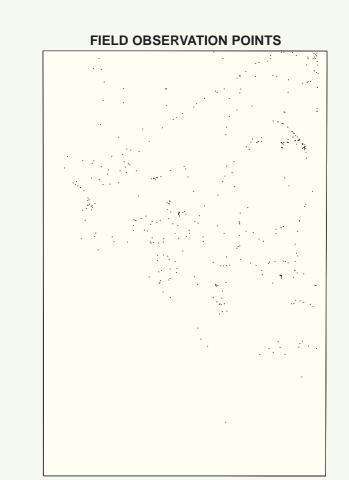
responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccurate

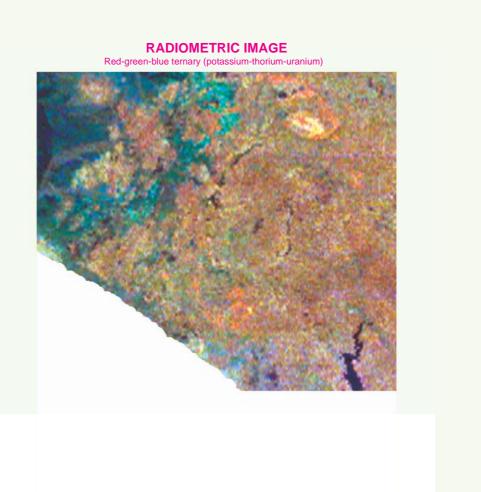
QUATERNARY Qa Clay, silt, sand, gravel; flood-plain alluvium Qal Silt, clay; lake (swamp) deposits in alluvial plain Qam Sand, silt, clay; scroll-plain, meander-belt deposits Qac. Sand, mud, silt, clay, gravel; mainly active stream-channel deposits Ors Sand, silt, clay, gravel, soil; residual and colluvial deposits TERTIARY - QUATERNARY Tors Residual soil and colluvium, gravel and sand Sandstone, conglomerate, gravel, sand, silt and mud, lateritic ironstones, some interbedded Pilliga Sandstone Jp Quartzose sandstone, conglomerate Marburg Subgroup Jbm Medium to coarse-grained quartzose and quartzofeldspathic sandstone and conglomerate EARLY TRIASSIC Coarse to very coarse-grained seriate leucocratic granite and minor micro-leucogranite; marginal Mole Granite Coarse to very coarse-granieu seriale leucogranite; greisen; moderate magnetic response porphyritic leucogranite and microgranite; greisen; moderate magnetic response PERMIAN - TRIASSIC PRg Moderately porphyritic leucogranite; minor endoskarn PRg<sub>n</sub> Unexposed non-magnetic granitoid intrusion LATE PERMIAN Pale to dark grey or pinkish grey, medium to fine-grained biotite-hornblende and hornblende-biotite granodiorite; minor monzodiorite-quartz monzodiorite, monzogranite, syenogranite; Coarse to very coarse-grained, porphyritic and equigranular (biotite)-(muscovite)-(garnet)-(cordierite) Bundarra Plutonic Suite granite and leucogranite; K-feldspar megacrysts abundant in places; some pale grey, fine-grained porphyritic (altered cordierite-) muscovite-biotite monzogranite Pale pink to pale brownish pink, medium-grained, uneven-grained, leucocratic biotite syenogranite; Mount Bullaganang Granite Silver Spur beds Pss Medium to thick-bedded volcaniclastic arenite, mudstone, conglomerate and minor limestone Pt Lithic arenite, mudstone, siltstone; rare vitric tuff and conglomerate; locally fossiliferous Terrica beds Lithic, locally pebbly arenite, clast to matrix supported sandy to muddy conglomerate, locally pebbly Pox mudstone; minor siltstone; rare limestone and basalt Bondonga beds Pa Fluvial sandstone, argillite, cobble conglomerate and interbedded coal horizons Ashford Coal Measures Coherent flow-banded rhyolite, rare autoclastic domains Thin to thick-bedded, volcaniclastic arenite, siltstone, mudstone and slate; local phyllite; sporadic lenses of jasper, chert, limestone and mafic volcanics; rare conglomerate; low to moderate magnetic Strongly magnetic or magnetically altered chert (plus minor jasper), mafic volcanics/volcaniclastics and slate sequences and/or associated magnetically altered strata Thin-bedded to locally massive, pink to brown jasper; subordinate interlayered mudstone; locally grades into grey chert

Variably recrystallised, sparsely fossiliferous limestone; local limestone/basalt breccia

Mafic lava and associated pyroclastic deposits; some subvolcanic intrusives; minor chert, jasper

INDEX TO MINES AND PROSPECTS 1 Catfish Copper-Gold Prospect Pb 299271
Au 308266
Au 335305
Au,Ag 387273
Cu,Ag 393442
Au,Ag 396277
Cu,Ag 400451
Cu,Au,Ag 477361
Au 472382
Au,Cu 476353
Ma,Ls 180224
Ma,Ls 215175
Ls 230165
Ma,Ls 234207
Ma,Ls 243233
Cu 255066
Ma,Ls 268193
Cu,Ag 285077
Zn,Cu,Pb 289083
Cu,Pb 292082
Ag,Au,Pb,Zn 306076
Ls 313146
Zn,Pb,Cu,Ag 313146
Zn,Pb,Cu,Au 316088
Pb,Zn,Ag 324065 6 Angus Valley Copper Mine MINING SYMBOLS 12 Magee Creek Marble Deposit 13 Pipersleigh Marble Deposit 14 Limevale Quarry Mine Mine, abandoned Prospect, abandoned 19 Texas Copper Mine 20 Egglestons Prospect Ag Mineral occurrence Ag - silver, Au - gold, Cu - copper, Fe - iron, Ls - limestone, 24 Devlins Prospect 25 Silver King Mine 26 Silver Spur Mine 27 White Clumber Company Ma - marble, Mn - manganese, Pb - lead, Qr - quarry rock, Sb - antimony, Zn - zinc 28 Mount Gunyan 29 Tuliamba 30 Argentum 32 Silver Crown Mine 33 Glenlyon Copper Prospect 35 Silver Spur Ltd 37 Schneiders Workings 38 Emu Park 40 Riverton Quarry The grid reference is a six figure abbreviated MGA 94 coordinate to the nearest 100 metres





The radiometric image shows the relative concentrations of the radioactive elements potassium, thorium and uranium in the topmost 20-30 cm of the Earth's surface, as

measured by an airborne detector that records gamma radiation. The data are displayed

as a composite coloured image, with potassium in red, thorium in green and uranium in blue. Rock units with different contents of these elements are outlined by their different colours. Those with relatively high contents of potassium appear pink on the image;

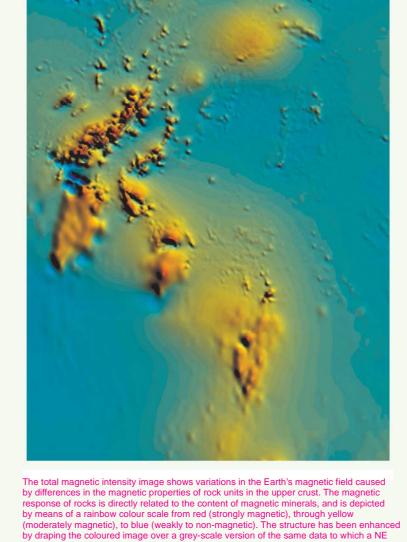
those with low contents of all three elements are dark.

Cartography by R.J. Rapkins, Graphic Services Unit, GSQ, Department of Mines and Energy

Ctx<sub>lw</sub> Limestone inundated by Glenlyon Lake

and volcaniclastic sediments

····· Chert lens

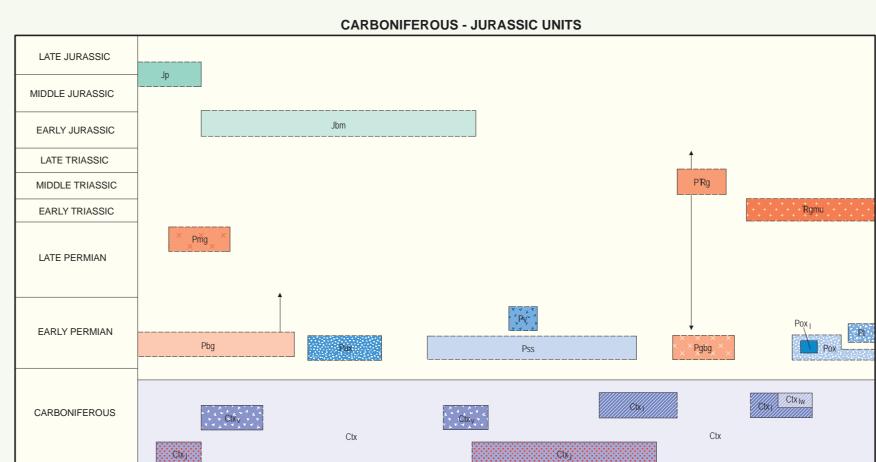


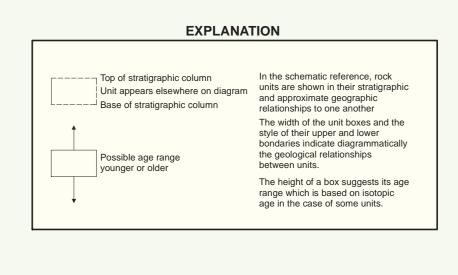
sun-angle has been applied.

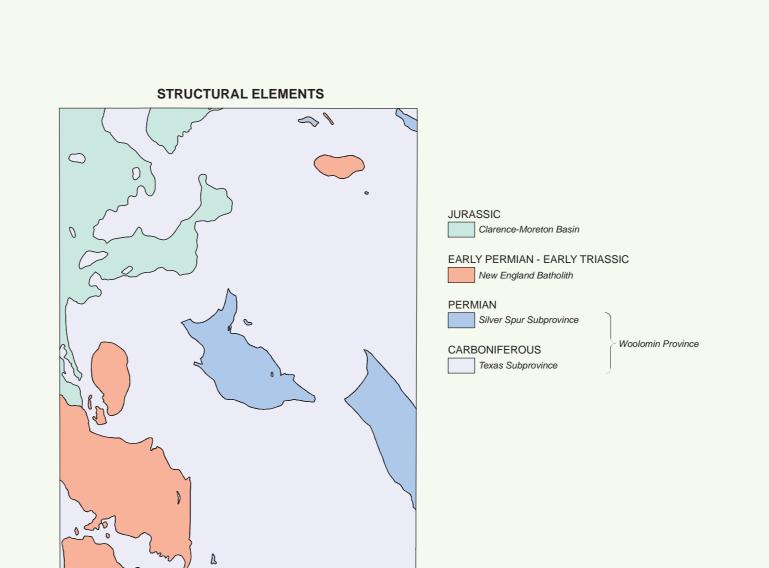
**MAGNETIC IMAGE** 



Images generated from airborne geophysical data available from the Department of Mines and Energy, Brisbane







## **GEOLOGICAL SYMBOLS** ----- Geological boundary

----- Fault Thrust fault. Triangle on older rocks Dyke or vein; ad - andesite, pgr - porphyritic granite

> Where location of boundaries, faults and folds is approximate, line is broken; where inferred, queried; where concealed, boundaries and folds are dotted, faults are shown by short dashes

✓ 57 Strike and dip of strata × Vertical strata ✓ 32 Strike and dip of strata, younging unknown — — Trend line Airphoto interpretation

----- Lineament Vertical cleavage A 68 Strike and dip of platy alignment

Solution State Service Serv U-Pb U-Pb - uranium-lead (SHRIMP) method

Rb-Sr - rubidium-strontium method

bl - biotite, \( \pi - zircon \)

Structural symbols shown in unconsolidated to partly consolidated Quaternary and Tertiary sediments on the face of the map, refer to the underlying bedrock which forms scattered outcrops too small to be shown.

MAGNETIC INTERPRETATION

Magnetic interpretation is shown in magenta using standard geological linestyles. Areas labelled in magenta indicate the extent of mapped units, or anomalies associated with concealed magnetic units, interpretated from airborne magnetic data.

TOPOGRAPHICAL AND CULTURAL SYMBOLS

----- Highway

Secondary road ---- Minor road ———— Vehicle track

------ Railway; station Oakleigh Homestead Building, small settlement △ Trigonometrical station

