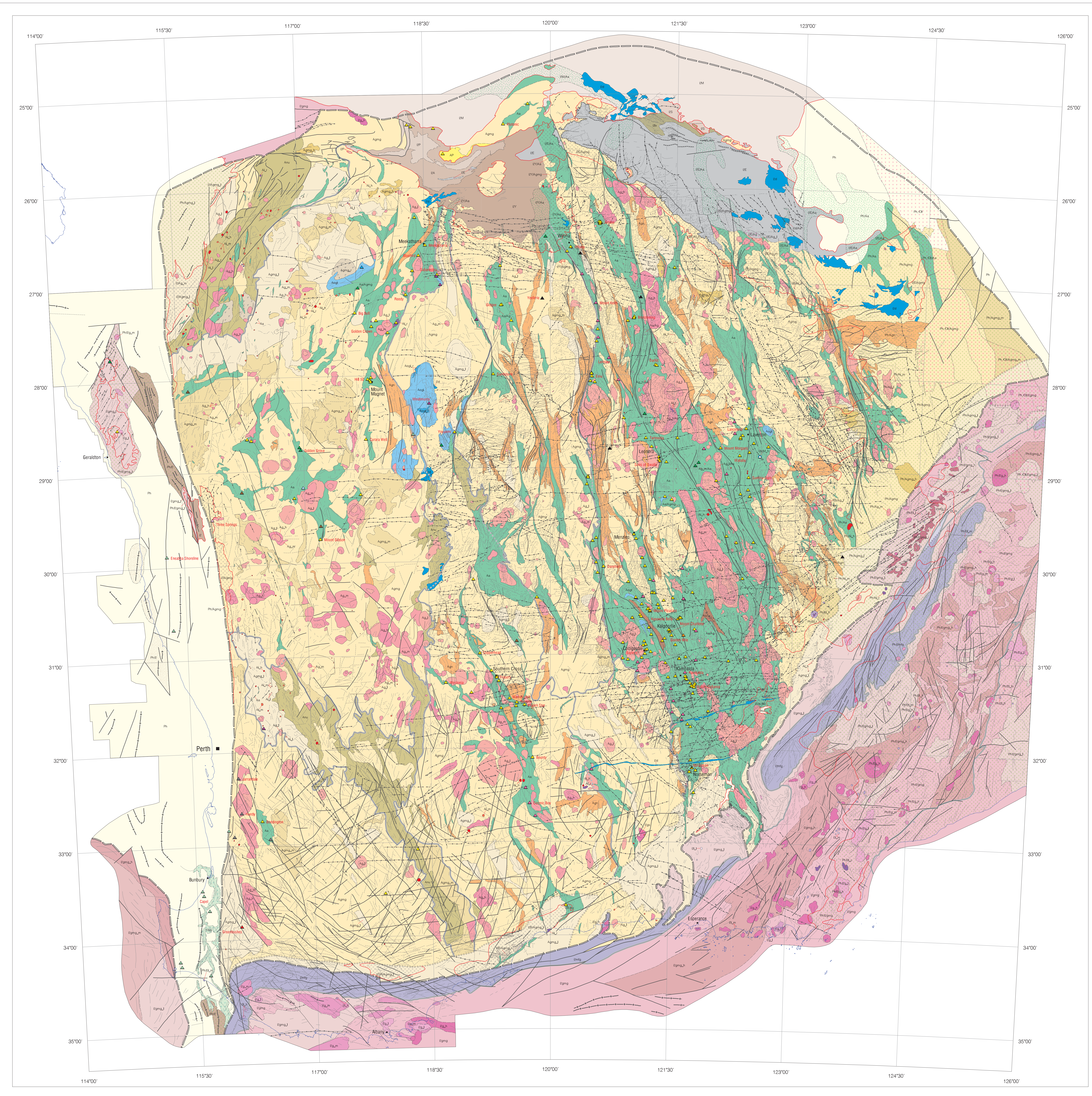
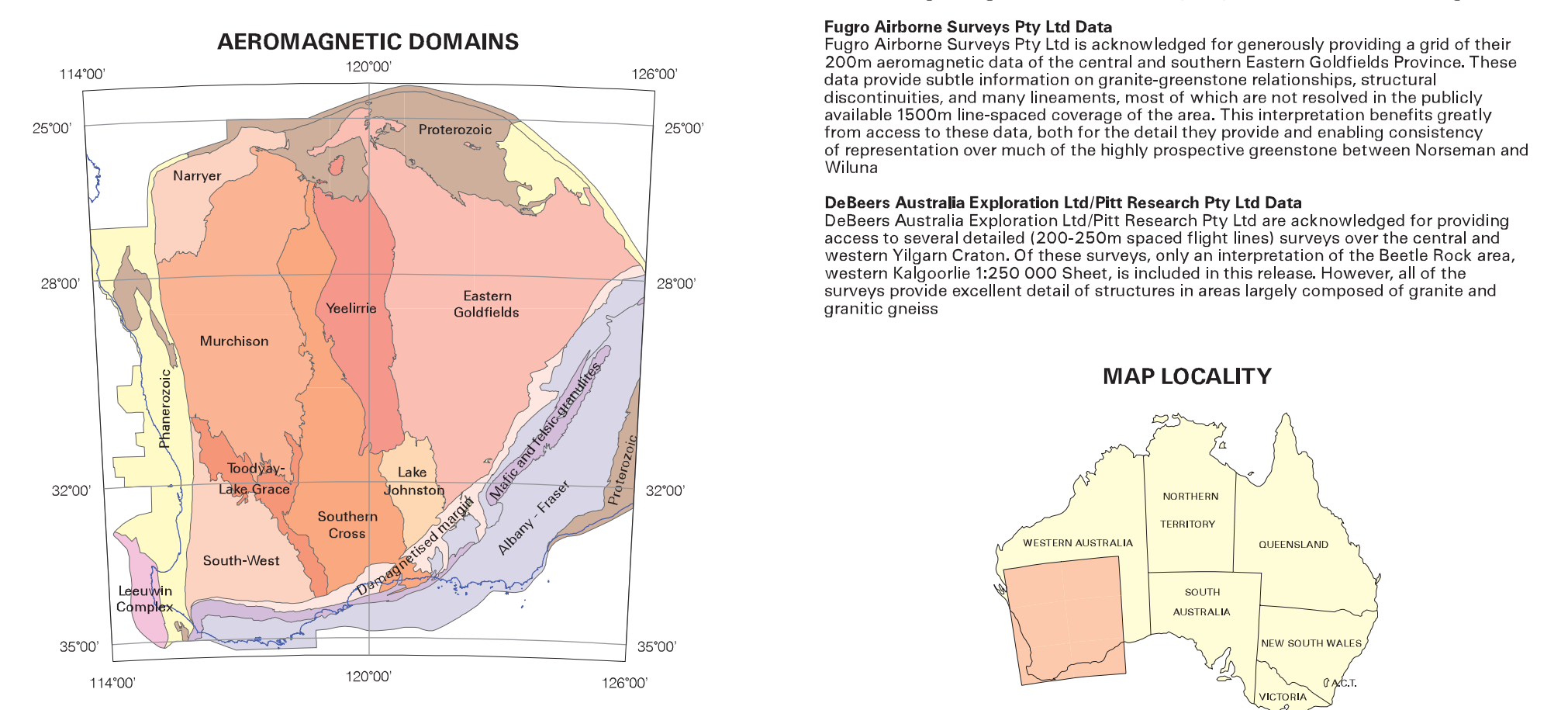
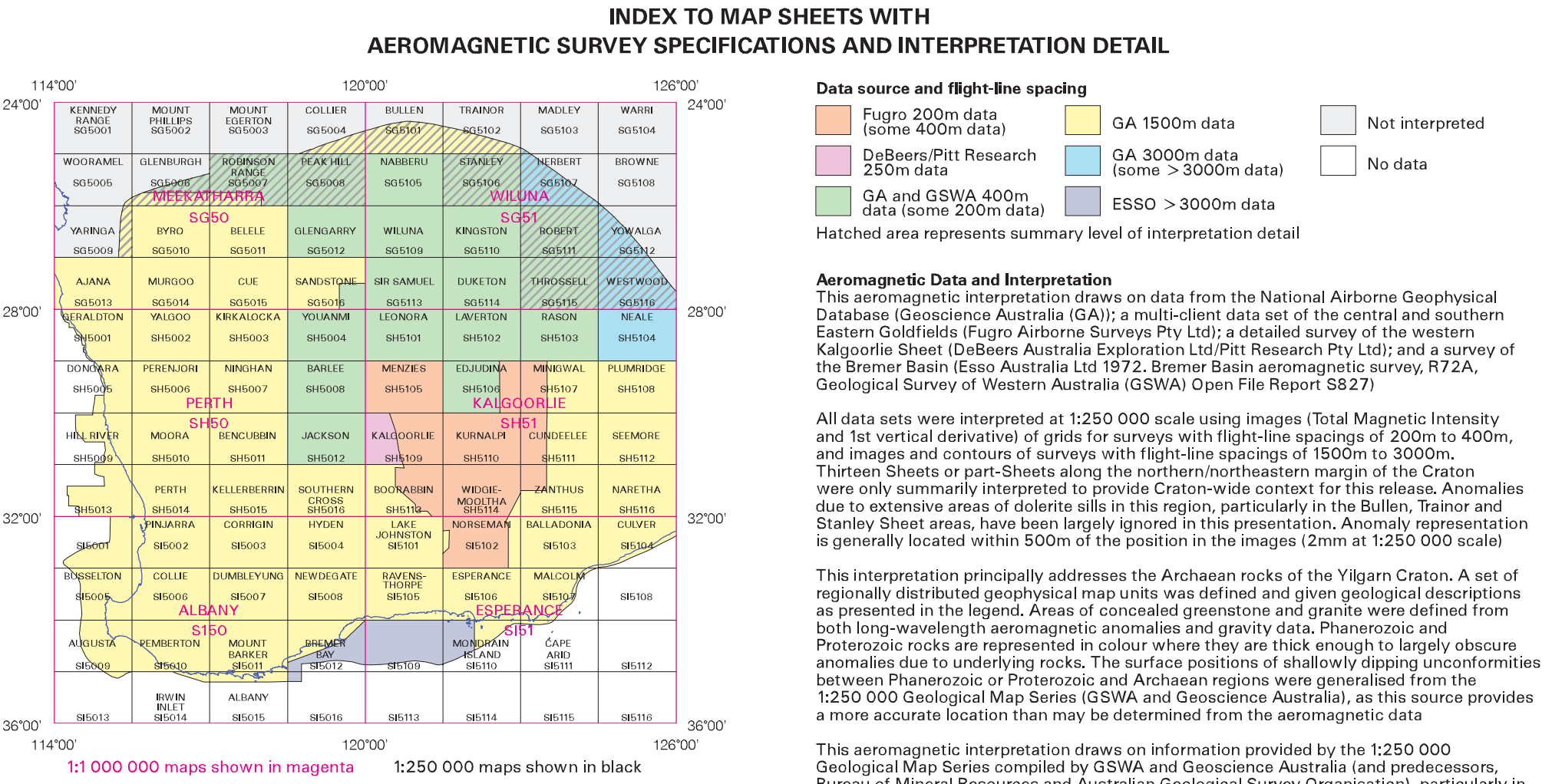


YILGARN CRATON AEROMAGNETIC INTERPRETATION



- | | | |
|--------------|--|--|
| PHANEROZOIC | Ph | Phanerozoic, undivided |
| | Bb | Bunbury basalt |
| | Ph_CV | Phanerozoic, undivided with Table Hill Volcanics |
| | IE | Proterozoic, undivided |
| | ILH | Intrusive rock, unassigned; high magnetisation |
| | ILM | Intrusive rock, unassigned; medium magnetisation |
| | ILU | Intrusive rock, unassigned; low magnetisation |
| | ILV | Intrusive rock, unassigned; remanent magnetisation |
| | ILW | Mount Weld carbonate, high magnetisation |
| | ILX | Dolerite dyke or sill |
| | IGH | Granite; high magnetisation |
| | IGM | Granite; medium magnetisation |
| | IGL | Granite; low magnetisation |
| | IGR | Granite; remanent magnetisation |
| | PROTEROZOIC | ISy |
| IBG | | Bangemall Group, undivided |
| ISc | | Scorpion Group, undivided |
| IE | | Eraheedy Group, undivided |
| IEI | | Eraheedy Group, banded iron formation |
| IEB | | Troy Creek beds, undivided |
| EP | | Pedbury Group, undivided |
| EB | | Bryah Group, undivided |
| EV | | Yerrida Group, undivided |
| EGM | | Gneiss-migmatite-granite, undivided |
| EGH | | Gneiss-migmatite-granite; high magnetisation |
| EGM | | Gneiss-migmatite-granite; medium magnetisation |
| EGL | | Gneiss-migmatite-granite; low magnetisation |
| EGR | | Gneiss-migmatite-granite; remanent magnetisation |
| ARCHAEOGENIC | | IFM |
| | IFM | Mafic and felsic granulites; low magnetisation |
| | IS | Shear zone schist |
| | IR | Intrusive rock, unassigned; high magnetisation |
| | IR | Intrusive rock, unassigned; medium magnetisation |
| | IR | Intrusive rock, unassigned; low magnetisation |
| | IR | Intrusive rock, unassigned; remanent magnetisation |
| | AGH | Granite; high magnetisation |
| | AGM | Granite; medium magnetisation |
| | AGL | Granite; low magnetisation |
| | AGR | Granite; remanent magnetisation |
| | AGM | Gneiss-migmatite-granite, undivided |
| | AGH | Gneiss-migmatite-granite; high magnetisation |
| | AGM | Gneiss-migmatite-granite; medium magnetisation |
| | AGL | Gneiss-migmatite-granite; low magnetisation |
| AGR | Gneiss-migmatite-granite; remanent magnetisation | |
| AGM | Granitoid gneiss / strongly deformed granite | |
| AGM | Polymict conglomerate | |
| AGM | Layered intrusion, undivided | |
| AGM | Layered intrusion; remanent magnetisation | |
| AGM | Greenstone, undivided | |
| AGM | Greenstone, undivided, +/- sinuous banding | |
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- | | | |
|-----------------|-------|--|
| OVERLYING UNITS | Ph | Phanerozoic, undivided; low magnetisation |
| | Ph_CV | Phanerozoic, undivided, with Table Hill Volcanics (low-medium magnetisation) |
| | IE | Proterozoic, undivided; low magnetisation |
| | IEB | Mount Baren Group, undivided; low magnetisation |
| | IEC | Woodline Beds, undivided; low magnetisation |
| | IEE | Bangemall Group, undivided; low magnetisation |
| | IEF | Stirling Range Formation, undivided; low magnetisation |
| | IEG | Eraheedy Group, undivided; low magnetisation |
| | IEH | Yerrida Group, undivided; low magnetisation |
| | IEI | Proterozoic, undivided |
| CONCEALED UNITS | AGM | Granite, undivided |
| | AGM | Gneiss-migmatite-granite, undivided |
| | AGM | Granitoid gneiss / strongly deformed granite |
| | AGM | Greenstone, undivided |
| | AGM | Greenstone, undivided |
-
- | | |
|---|---|
| — | Craton boundary |
| — | Aeromagnetic domain boundary, probable |
| — | Aeromagnetic domain boundary, speculative |
| — | Limit of demagnetisation |
| — | Boundary, inferred |
| — | Boundary, probable |
| — | Transitional geological boundary |
| — | Uncertainty |
| — | Marker bed |
| — | Major fault, probable |
| — | Minor fault, probable |
| — | Fracture/Joint |
| — | Normally magnetised dyke or vein |
| — | Remanently magnetised dyke or vein |
| — | Compositional layering, probable |
| — | Deeply buried positive trend |
| — | Coastline |
-
- | | |
|---|-------------|
| ■ | Perth City |
| ● | Wiluna Town |
-
- | | |
|---|-----------------------------------|
| ▲ | Mines and Major Deposits |
| ▲ | Valley Mine/Deposit name |
| ▲ | Base metals (Copper, Lead, Zinc) |
| ▲ | Bauxite |
| ▲ | Gold |
| ▲ | Iron |
| ▲ | Mineral sands and heavy minerals |
| ▲ | Molybdenum and Tungsten |
| ▲ | Nickel |
| ▲ | Phosphate and rare earth elements |
| ▲ | Platinum group elements |
| ▲ | Silver |
| ▲ | Talc |
| ▲ | Tin and Tantalum |
| ▲ | Titanium and Vanadium |
| ▲ | Uranium |



Aeromagnetic interpretation by A.J. Whitaker and V. Bastinikov, Geoscience Australia, 1988-2002

Cartography and GIS data by D.L. Beard, G. Michalowski, V. Bastinikov, P. Moffat, T. Brennan, A. Reiter, G. Herd, and M. White, Geoscience Australia

Mines and major deposits from Geoscience Australia's OZM database

Coastline, cities and towns from Geoscience Australia's TOPO-25K dataset

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AEROMAGNETIC INTERPRETATION**

September 2002