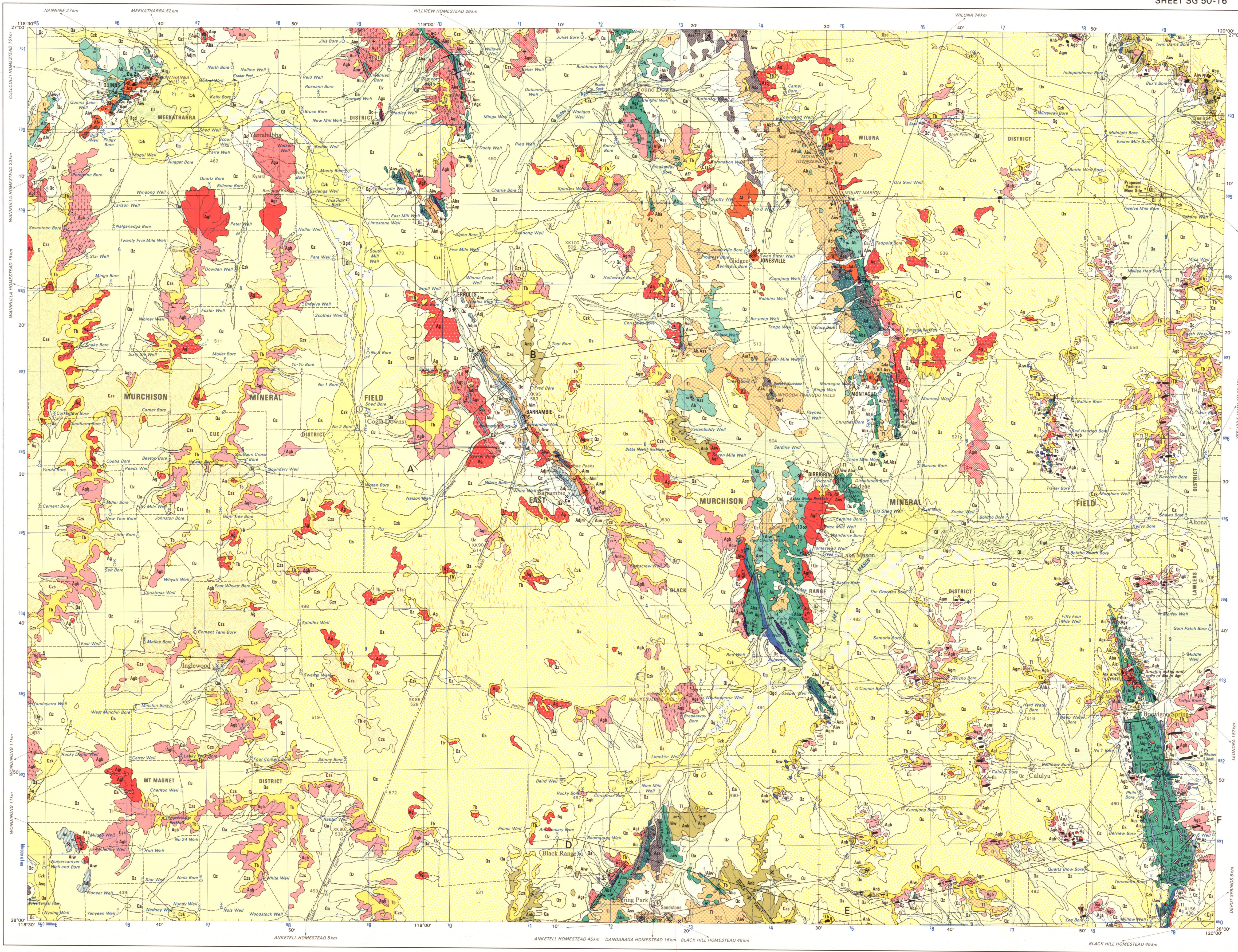
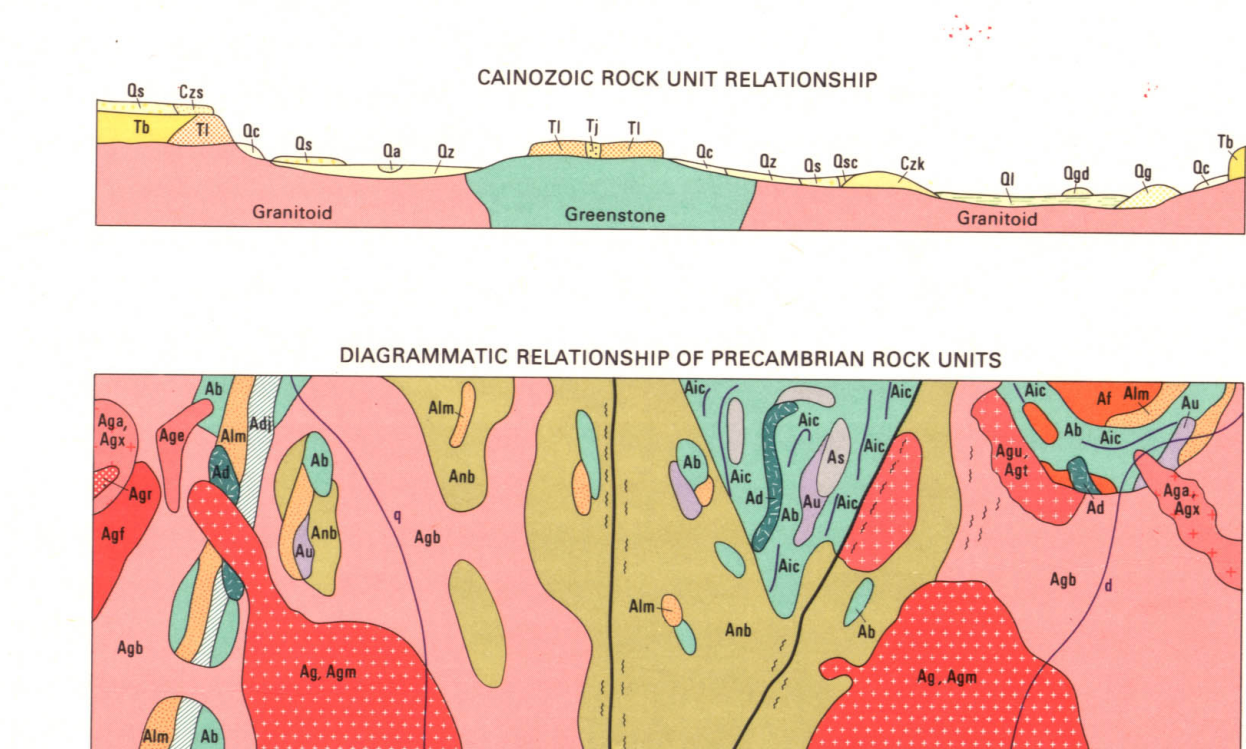




- Geological boundary, approximate
Anticline, Precambrian Geology diagram only
Syncline
Fault: q-quartz filled
Where location of folds and faults is approximate line is broken; where inferred, queried where cancelled, folds are dotted, faults are shown by short dashes
- Shear zone
Minor anticline
Minor syncline
Drag-fold
Fold axis
Strike and dip of strata
Strike and dip of strata, facing not known
Vertical strata
Arrow indicates trend, and value indicates plunge of fold axis
- Trend-line
Lineament
Facing of pillow lava top
Strike and dip of joint
Vertical joint
Strike and dip of foliation
Vertical foliation
Strike of foliation
Strike and dip of metamorphic banding
Vertical metamorphic banding
Strike and dip of cleavage
Vertical cleavage
Trend and plunge of mineral elongation
- Some structural elements observed at a single locality may be combined on the map
- Minor mineral occurrence
Prospect or mine with little production
Gold, Copper, B-Uranium, Se-Zinc
May or may not be abandoned
Mine
Battery, abandoned
Limit of intensive exploration in Yelliner uranium prospect
Coastline, showing depth in metres
Mining locality
- MINE INDEX
1 Commonwealth
2 New South Wales
3 Victoria
4 Western Australia
5 South Australia
6 Northern Territory
7 Queensland
8 Tasmania
9 New Zealand
10 Antarctica
11 Northern Hemisphere
12 Southern Hemisphere
13 Eastern Hemisphere
14 Western Hemisphere
15 Days Black Range
16 Days East
17 Days West
- Intermittent lake
Spring
Rockhole
Bore
Abandoned bore
Well
Abandoned well
Windpump
Earth dam
- Formed road
Vehicle track
Landing ground
Townsite, gazetted
Gidger
Homestead
Building
Yard
Mineral Field boundary
Mineral Field District boundary
Sand dune
Astronomical station
Benchmarks, elevation in metres, accurate
Position doubtful



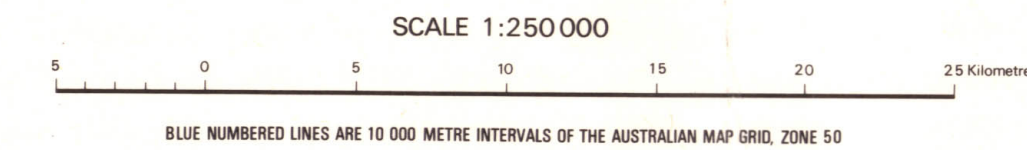
- QUATERNARY
Qa Poorly sorted clay to gravel deposits along drainage lines; grades to Qc: alluvium
Qb Red-brown silt to sand, shales over pebbly clay hardpan; grades to Qc and Qd: mixed alluvium and colluvium
Qc Poorly sorted sand to gravel, rock fragments; hill-wash and scree adjacent to bedrock exposures; grades to Qd: colluvium
Qd Red-brown silt to sand, shales over pebbly clay hardpan; grades to Qc and Qd: mixed alluvium and colluvium
Qe Saline and gypsiferous alluvium, clay, and silt in place; grades to Qd
Qf Saline and gypsiferous alluvium, clay, and silt in place; grades to Qd
Qg Saline and gypsiferous alluvium, clay, and silt in place; grades to Qd
Qh Saline and gypsiferous alluvium, clay, and silt in place; grades to Qd
Qj Saline and gypsiferous alluvium, clay, and silt in place; grades to Qd
- TERTIARY
Tc Ferruginous and siliceous duricrust including some silcrete, and nodular and pisolitic ferricrete; deep weathering profile pallid zone; developed over granitoid or gneiss; commonly forms breakaways, upstanding flat-topped features
Tj Ferruginous deep weathering profile, ferruginous duricrust; massive pisolitic limonite; developed over greenstone and locally over granitoid where Tj capping removed; subund and broken topography (lower levels than Tj)
Tj Jaspersdell chert and siliceous limonite; developed over ultramafic rocks
- ARCHAEO
Quartz dyke (quartz blow)
Dolerite dyke
- GRANITOIDS
Ag Undivided granitoid; deeply weathered
Agh Biotite-bearing, commonly coarse-grained, adamellite, or granodiorite
Agi Leucogranite or adamellite; varied grain size
Aij Pophyritic adamellite with crudely aligned microlite phenocrysts; inclusions of gneissic granitoid and banded gneiss
Ajk Gneissic, fine to coarse-grained biotite granodiorite
Aal Fine-grained biotite adamellite and granite
Aam Mixed granitoids; mainly Ag with Ag or Ag
Aan Muscovite-albite granite
Aap Biotite-amphibole granodiorite or granophyric tonalite; soda rhyolite granophyre at Barlangi Rock
Aaq Muscovite-albite pegmatite and coarse-grained granite; locally zoned
- MAFIC INTRUSIVE COMPLEXES
Am Medium to coarse-grained amphibolite; metamorphosed dolerite or gabbro
Ama Foliated medium to coarse-grained amphibolite; metamorphosed dolerite or gabbro
Aai Layered mafic complex; metabasite with pyroxenitic and anorthositic layers
Aaj Magnetite rock; cumulus textured, forms segregated layers in Ag
- GREENSTONE SEQUENCES AND ASSOCIATED INTRUSIVE ROCKS
Alm Sericite-chlorite-quartz schist
Ala Kyanite-sericite-andalusite-chlorite-quartz schist
Alj Felsic quartzite; contains large clasts of quartzite, schist, and altered felsic volcanics
- ARCHAEO
Al Schistose felsic metavolcanics
Ala Fine-grained to aphanitic metamorphosed felsic lava
Alj Meta-igneous with abundant prominent chloritized andalusite metacrysts; locally schistose; grades into Al
Ala Contains fuchsite-bearing quartz-rich zones (Alj) which may be remnants of vents
Alj Schistose meta-volcanics
Ala Metamorphosed quartz-feldspar porphyry in sills and dykes
- Ala Talc-anthophyllite schist; metamorphosed ultramafic rock
Alj Tremolite-chlorite schist; includes metamorphosed komatiitic basalt
Ala Medium and coarse-grained amphibole rock; metapelite
Alj Fine to medium-grained beds of serpentinite or asbestosiform minerals; metapelite
Ala Medium and coarse-grained serpentinite or phlogopite-tremolite schist; metapelite?
Alj Layered amphibolite; discrete metapelite, metapelite and metagabbro layers; metamorphosed layered ultramafic intrusives
- Ala Schistose metasediment; commonly in very small lenses
Ala Quartzofeldspathic metasediment
Ala Quartzite, micaceous quartzite, and well-sorted feldspathic quartzite
Ala Black slate and phyllite with carbonate (dolomite) and iron chert intercalations
- Ala Banded ferruginous chert; granular recrystallized rock
Ala Quartz-magnetite schist; metamorphosed banded iron formation
Ala Quartz-magnetite-amphibole (greenschist) rock; banded iron formation, higher metamorphic grade than Alj
- Ala Fine-grained metabasalt; pillow structures locally preserved; minor intercalated coarse-grained metagabbro; possible komatiitic basalt
Ala Schistose metabasalt; fine to medium-grained amphibole-plagioclase rock or amphibolite, more strongly deformed than Al
Ala Carbonate-bearing metabasalt
- GNEISSES
Ala Banded gneiss, adamellite to granodiorite composition; minor inclusions of amphibole rock and banded iron formation
Ala Coarse-grained granoblastic quartzite and quartz-magnetite-granulite rock
- Ala Hornblende-plagioclase amphibolite



Published by the Bureau of Mineral Resources, Geology and Geophysics, Department of Resources and Energy, in collaboration with the Geological Survey of Western Australia, issued under the joint authority of the Minister for Resources and Energy, and the Minister for Mines, Western Australia.
Base map supplied by the Division of National Mapping, topographic information shown on this map is correct to 1986, with additions in 1978 by BMR and GSWA.
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INDEX TO ADJOINING SHEETS
Showing Magnetic Declination 1980

BELLE S65-11	GLENNABY S65-12	WILUNA S65-13
CUE S65-15	SANDSTONE S65-16	SIR SAMUEL S65-17
KIRKALOCKA S65-3	YUAMMI S65-4	LEONORA S65-1



SCHEMATIC SECTIONS
Canozoic units omitted
Scale 1:1

