

MURCHISON PROVINCE

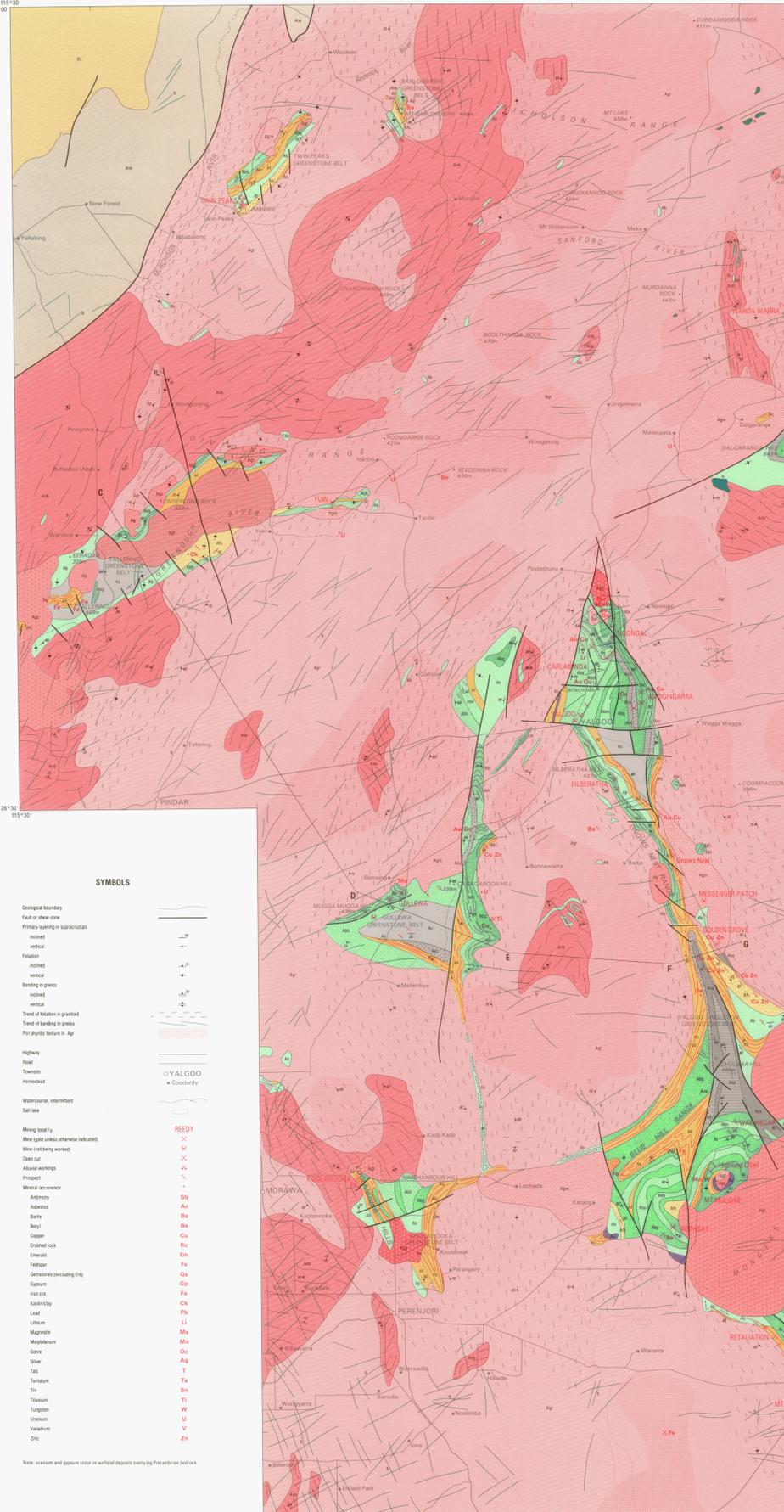
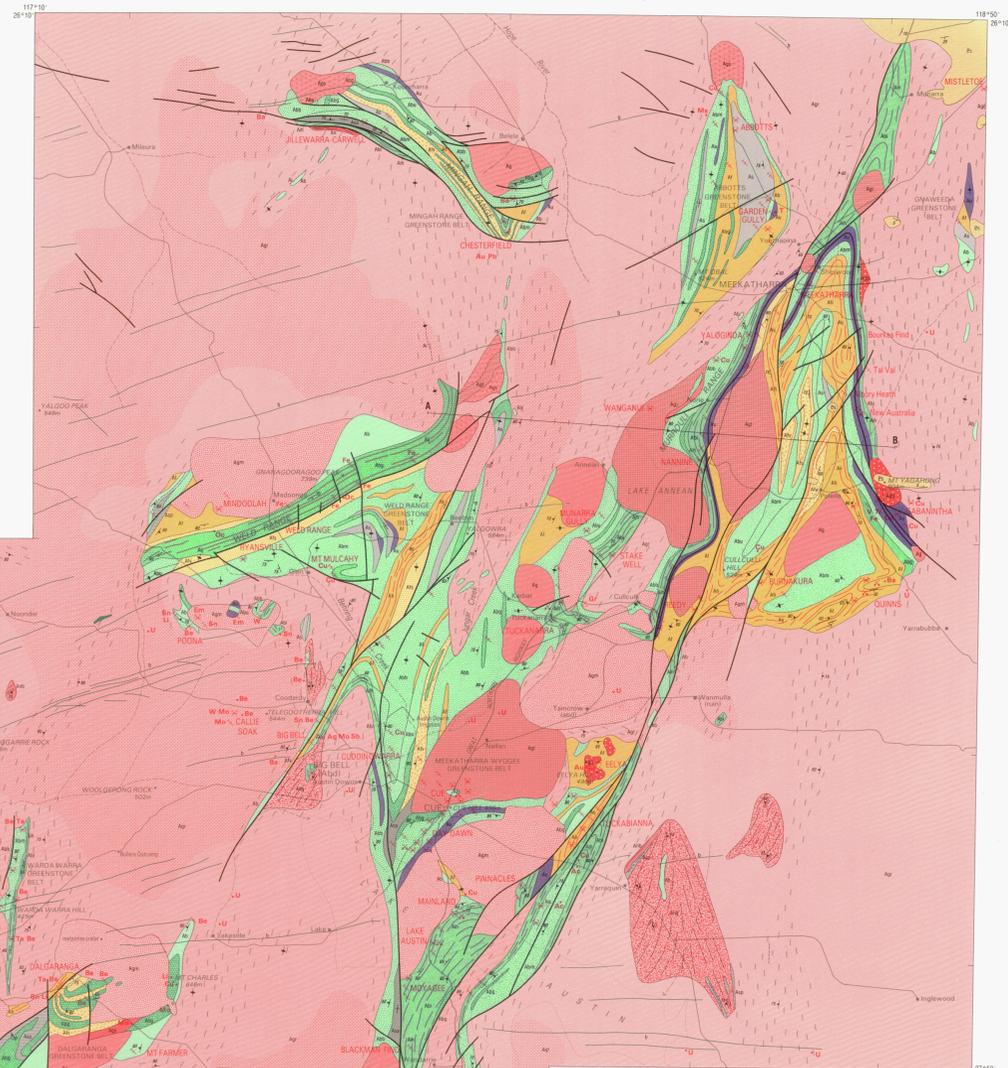
PRECAMBRIAN GEOLOGY AND MINERAL DEPOSITS



SCALE 1:500 000

Geology by F.P. Wilton and A.H. Hickman 1982-85

Sheet No.	Easting	Northing
1000	1000	1000
1001	1001	1000
1002	1002	1000
1003	1003	1000
1004	1004	1000
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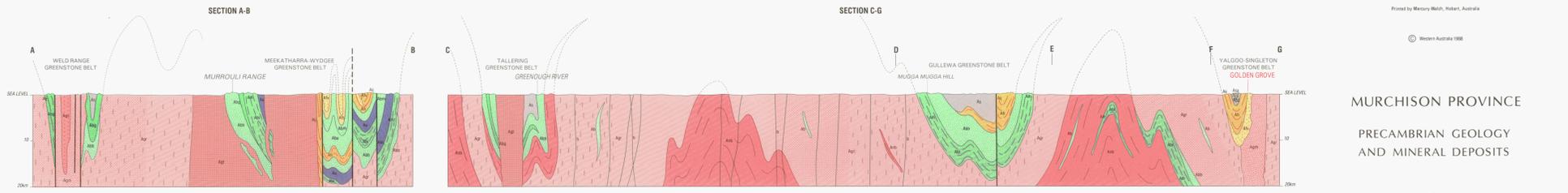
REFERENCE

- All rocks are metamorphosed unless stated otherwise
- Pa** Sedimentary rocks unconformably overlying granitoids and greenstone belts, may be weakly metamorphosed
 - Cr** Crs-cutting mafic intrusions, mainly dykes, generally unmetamorphosed
 - At** Sedimentary rocks, undivided
 - As** Shale, may include some sandstone
 - Asl** Sandstone, may include some shale and/or conglomerate
 - Ac** Conglomerate, may include some sandstone
 - Al** Banded iron-formation, undivided
 - Alh** Quartz and hematite banded iron-formation, may contain magnetite and/or chert
 - Alf** Red jasper and hematite banded iron-formation, may contain magnetite and/or chert
 - Alc** Grey and white banded chert
 - M** Felsic volcanic rocks, undivided
 - Mb** Rhyolite, dacite and/or andesite lava and tuff
 - Msl** Volcanogenic sedimentary rocks of rhyolite, dacite and/or andesite composition
 - Mst** Volcanogenic sedimentary rocks, felsic lava and tuff, and minor mafic rocks, intertongued with banded iron-formation (mainly Al and Alc)
 - Mu** Mafic rocks, undivided
 - Mub** Tholeiitic basalt, includes amphibolite and schist derived from tholeiitic basalt, may contain some high-Mg basalt and minor mafic intrusive rocks
 - Muh** High-Mg basalt, often with pyroxene needle-spike texture (generally pseudomorphed by amphibole), includes schist derived from high-Mg basalt, may contain some tholeiitic basalt and minor mafic and ultramafic intrusive rocks
 - Mup** Intertongued tholeiitic and high-Mg basalt, may contain minor mafic and ultramafic intrusive rocks
 - Muq** Mafic and ultramafic rocks intertongued with banded iron-formation (mainly Al)
 - Mg** Mafic gneissic rocks
 - Mgd** Gabbro and diorite, includes layered sills
 - U** Ultramafic rocks, undivided
 - G** Granitoids, undivided
 - Ag** Granophyre
 - Agp** Syenogranite
 - Agm** Microgranite
 - Agd** Granodiorite
 - Agf** Tonalite
 - Agq** Trondhjemite
 - Agc** Recrystallized monzonite, may include some monzonitic and/or granodioritic, commonly contains orthopyroxene and recrystallized remnants of Afp
 - Gs** Gneiss, undivided
 - Gsd** Granitoid gneiss with supracrustal enclaves
 - Gsb** Pegmatite-banded quartz-microcline plagioclase-bearing gneiss pervasively intruded by veins, dykes and plagues of Agp
 - Am** Early gneiss complex
- Unmetamorphosed, or very low metamorphic grade

SYMBOLS

- Geological boundary
- Fault or shear zone
- Primary layering in supracrustals
- inclined
- vertical
- Foliation
- inclined
- vertical
- Bandings in gneiss
- inclined
- vertical
- Trend of banding in gneiss
- Trend of banding in gneiss
- Porphyritic texture in Agp
- Highway
- Road
- Tramway
- Railway
- Watercourse, intermittent
- Saltwater
- Mining locality
- Mine (gold unless otherwise indicated)
- Mine (not being worked)
- Open cut
- Abandoned workings
- Prospect
- Mineral occurrence
- Antimony
- Asbestos
- Baryte
- Beryl
- Copper
- Copper rock
- Emerald
- Emerald
- Feldspar
- Gaoliansite (excluding Cr)
- Gypsum
- Iron ore
- Kyanite
- Lead
- Lithium
- Magnoite
- Malachite
- Opal
- Shale
- Silver
- Talc
- Tantalum
- Tin
- Titanium
- Tungsten
- Uranium
- Vanadium
- Zinc

DIAGRAMMATIC SECTIONS



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