

EAST KIMBERLEY REGION

WESTERN AUSTRALIA

1967

Scale 1:500,000

Geology, 1962-64, by B. B. Shaw, J. M. Smith, H. L. Davies, R. A. Frank, H. G. Roberts, D. Dornet, J. H. Laffer,
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Drawn by A. S. Mudgejick

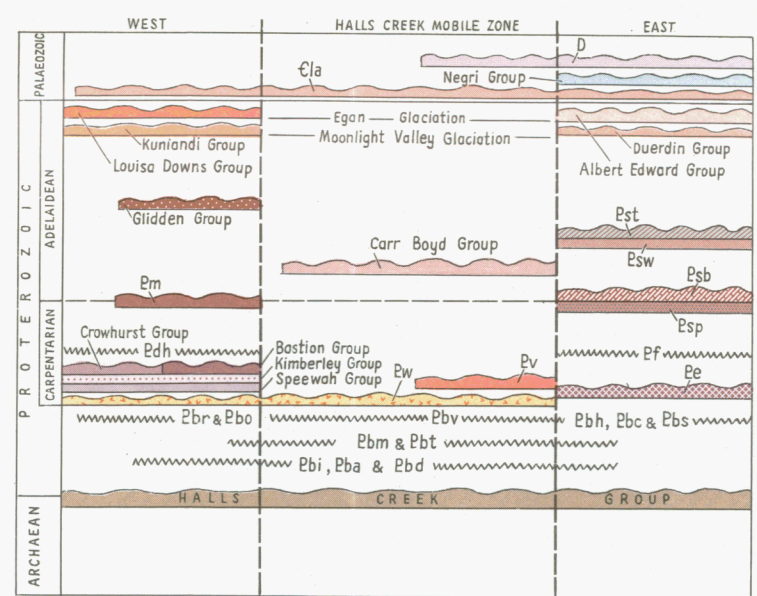
CENOZOIC	QUATERNARY	Q	Quaternary alluvium, minor evaporite deposits
UNDIFFERENTIATED	UNDIFFERENTIATED	Q	Sand, silt, gravel, alluvium, travertine
TERTIARY	UNDIFFERENTIATED	T	Lignite, alluvium, chalcocite limestone
PALEOZOIC	UNDIFFERENTIATED	Pt	Sedimentary rocks of Bonaparte Gulf Basin
DEVONIAN	UNDIFFERENTIATED	Pd	Phosphate sandstone, some conglomerate
CAMBRIAN	UNDIFFERENTIATED	Cn	Siltstone, shale, limestone
	UNDIFFERENTIATED	Cn	Thin-grained grey limestone, some chert nodules
	UNDIFFERENTIATED	Cn	Thick-bedded, minor conglomerate, includes early conglomerate at base in west

ADÉLAÏDEAN	UNDIFFERENTIATED	Ad	Quartz sandstone, ferruginous sandstone, pebble conglomerate, argill. dolomite
	UNDIFFERENTIATED	Ad	Thin-grained ferruginous sandstone, commonly dolomite
	UNDIFFERENTIATED	Ad	Quartz sandstone
	UNDIFFERENTIATED	Ad	Green and grey shale and siltstone
	UNDIFFERENTIATED	Ad	Dolomite, minor dolomite, conglomerate and breccia
	UNDIFFERENTIATED	Ad	Shale, siltstone
	UNDIFFERENTIATED	Ad	Quartz sandstone, pebble conglomerate
	UNDIFFERENTIATED	Ad	Siltstone, shale, sub-granulite, partly dolomite
	UNDIFFERENTIATED	Ad	Felsitic sandstone, sub-granulite, pebble conglomerate
	UNDIFFERENTIATED	Ad	Shale, siltstone, rare fine-grained quartz sandstone
	UNDIFFERENTIATED	Ad	Thin-grained, argillaceous sandstone, some siltstone, shale, and dolomite rocks
	UNDIFFERENTIATED	Ad	Thin, pebbly sandstone, dolomite, limestone, and dolomite conglomerate
	UNDIFFERENTIATED	Ad	Micaceous quartz siltstone, very fine-grained quartz sandstone, red and green shale, dolomite, sandstone
	UNDIFFERENTIATED	Ad	Siltstone, minor dolomite, pebble conglomerate, dolomite
	UNDIFFERENTIATED	Ad	Dolomite sandstone and conglomerate
	UNDIFFERENTIATED	Ad	Siltstone, basaltic conglomerate
	UNDIFFERENTIATED	Ad	Micaceous, ferruginous quartz sandstone, minor shale, siltstone
	UNDIFFERENTIATED	Ad	Green and red siltstone and shale, some quartz sandstone
	UNDIFFERENTIATED	Ad	Coarse-grained purple greywacke
	UNDIFFERENTIATED	Ad	Siltstone, sandstone, minor dolomite
	UNDIFFERENTIATED	Ad	Limestone, siltstone and shale
	UNDIFFERENTIATED	Ad	Quartz sandstone
	UNDIFFERENTIATED	Ad	Shale, siltstone, minor ferruginous sandstone, chert
	UNDIFFERENTIATED	Ad	Basaltic shale and siltstone, felsitic sandstone
	UNDIFFERENTIATED	Ad	Thin-grained quartz sandstone
	UNDIFFERENTIATED	Ad	Oolitic, shale, siltstone, sub-granulite
	UNDIFFERENTIATED	Ad	Black pyritic shale, siltstone, sandstone, rhyolite tuff
	UNDIFFERENTIATED	Ad	Quartz sandstone

PROTEROZOIC	UNDIFFERENTIATED	Pt	Quartz sandstone, partly ferruginous, conglomerate, siltstone
	UNDIFFERENTIATED	Pt	Siltstone, siltstone, quartz sandstone
	UNDIFFERENTIATED	Pt	Black pyritic shale, siltstone, sandstone, rhyolite tuff
	UNDIFFERENTIATED	Pt	Quartz sandstone
	UNDIFFERENTIATED	Pt	Dolomite, dolomite, minor limestone
	UNDIFFERENTIATED	Pt	Quartz sandstone, minor pebble conglomerate
	UNDIFFERENTIATED	Pt	Quartz sandstone, chert pebble breccia and conglomerate
	UNDIFFERENTIATED	Pt	Thick-bedded dolomite, green, some pyritic, some granophyre differentiates
	UNDIFFERENTIATED	Pt	Dolomite of unknown origin, mostly intrusive
	UNDIFFERENTIATED	Pt	Highly crystalline dolomite
	UNDIFFERENTIATED	Pt	Massive dolomite, dolomite breccia and sandstone
	UNDIFFERENTIATED	Pt	Green and grey siltstone, argill. siltstone, dolomite
	UNDIFFERENTIATED	Pt	Green shale, minor micaceous siltstone
	UNDIFFERENTIATED	Pt	Quartz sandstone, ferruginous siltstone, shale
	UNDIFFERENTIATED	Pt	Quartz sandstone, minor micaceous siltstone, green shale
	UNDIFFERENTIATED	Pt	Green and grey shale, fine-grained sandstone
	UNDIFFERENTIATED	Pt	Quartz sandstone, green and purple siltstone, dolomite
	UNDIFFERENTIATED	Pt	Quartz sandstone, minor glauconitic sandstone, siltstone
	UNDIFFERENTIATED	Pt	Red brown siltstone and shale, dolomite member
	UNDIFFERENTIATED	Pt	Quartz sandstone
	UNDIFFERENTIATED	Pt	Thick-bedded, rare conglomerate, felsitic sandstone
	UNDIFFERENTIATED	Pt	Quartz sandstone, pebble conglomerate
	UNDIFFERENTIATED	Pt	Siltstone, shale, fine-grained sandstone
	UNDIFFERENTIATED	Pt	Thin-grained and quartz sandstone, argill. siltstone, New glauconitic argill. siltstone, New glauconitic argill. siltstone
	UNDIFFERENTIATED	Pt	Green siltstone, rhyolite siltstone and tuff
	UNDIFFERENTIATED	Pt	Quartz sandstone, felsitic sandstone, green siltstone
	UNDIFFERENTIATED	Pt	Sub-granulite, quartz sandstone, green shale
	UNDIFFERENTIATED	Pt	Argillaceous basalt, argill. quartz sandstone, siltstone
	UNDIFFERENTIATED	Pt	Quartz sandstone, quartz conglomerate, siltstone
	UNDIFFERENTIATED	Pt	Argillaceous sandstone, quartz conglomerate, greywacke and siltstone
	UNDIFFERENTIATED	Pt	Rhyolite tuff and minor intermediate volcanic rocks, minor sedimentary rocks

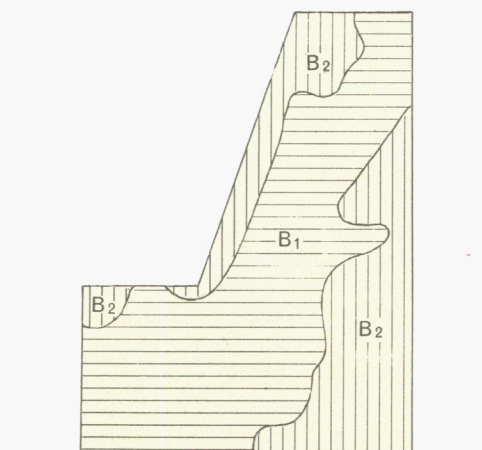
PROTEROZOIC	UNDIFFERENTIATED	Pt	Rhyolite, dolomite, microgranite
	UNDIFFERENTIATED	Pt	Intermediate mixture of granite, gabbro, and metamorphic rocks, dolomite rocks in north-western corner
	UNDIFFERENTIATED	Pt	Basaltic-rhyolite, some granodiorite, gabbro
	UNDIFFERENTIATED	Pt	Granite, granophyre, gabbro, some microgranite
	UNDIFFERENTIATED	Pt	Quartz, granophyre, gabbro, some microgranite
	UNDIFFERENTIATED	Pt	Coarse-grained granite and granodiorite, pyroclastic to fine-grained
	UNDIFFERENTIATED	Pt	Gabbro, granophyre, gabbro, some microgranite
	UNDIFFERENTIATED	Pt	Felsitic hornblende granodiorite and tonalite, some basaltic gabbro, orthopyroxene granites, and migmatite
	UNDIFFERENTIATED	Pt	Granite, granophyre, gabbro, some microgranite
	UNDIFFERENTIATED	Pt	Pyroxene, peridotite, dolomite, tremolite rock
	UNDIFFERENTIATED	Pt	Basalt and ultrabasic siltstone and gabbro
	UNDIFFERENTIATED	Pt	Sub-granulite, siltstone, minor schist, some conglomerate and dolomite
	UNDIFFERENTIATED	Pt	Sub-granulite, pyroclastic, siltstone, shale, some argill. conglomerate, and rare dolomite
	UNDIFFERENTIATED	Pt	Basaltic, dolomite, dolomite breccia and siltstone
	UNDIFFERENTIATED	Pt	Intermediate, dolomite, dolomite breccia and siltstone
	UNDIFFERENTIATED	Pt	Individual sandstone and quartz conglomerate
	UNDIFFERENTIATED	Pt	Basic volcanic rocks, minor greywacke and siltstone, rhyolite, probably intrusive

Subdivisions of the Proterozoic time scale used by the Geological Survey of Western Australia, shown in grey



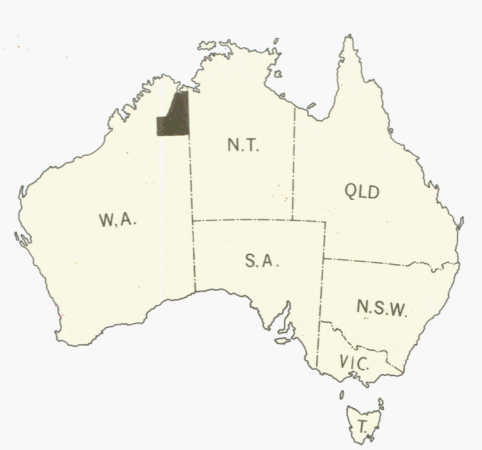
Compiled and published by the Bureau of Mineral Resources, Geology and Geophysics, Department of National Development, in conjunction with the Geological Survey of Western Australia, issued under the authority of the Hon. David Fairbairn, Minister for National Development.
Transverse Mercator Projection

GEOLOGICAL RELIABILITY DIAGRAM



B: Detailed reconnaissance-numerous traverses and air-photo interpretation
C: Reconnaissance-numerous traverses and air-photo interpretation

INDEX TO 1:250,000 SHEETS	
Showing Magnetic Declination	
Sheet No.	Magnetic Declination
100000	100000
100001	100001
100002	100002
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EAST KIMBERLEY REGION

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Copies of this map may be obtained from the Bureau of Mineral Resources, Geology and Geophysics, Canberra, A.C.T., or the Geological Survey of Western Australia, Perth.

Sections

(Cenozoic sediments omitted from sections)
(Altitude of faults not known; folding schematic)

Scale 1:2

