

Reference

- Geological boundaries
- Established boundary, position accurate
 - Established boundary, position approximate
 - Inferred, probable or indefinite boundary
 - Established boundary, concealed by younger formation
 - Inferred, probable or indefinite boundary, concealed
 - Strike and dip of strata
 - Inclined
 - Dip 0°-15°
 - Dip 15°-45°
 - Trend of bedding
 - Folds
 - Established anticlinal crest - position accurate (showing direction of plunge)
 - Established anticlinal crest - position approximate (showing direction of plunge)
 - Established synclinal trough - position accurate (showing direction of plunge)
 - Established synclinal trough - position approximate (showing direction of plunge)
 - Established fold axis, concealed, position accurate
 - Established fold axis, concealed, position approximate
 - Faults and Joints
 - Established fault - position accurate
 - Established fault - position approximate
 - Probable fault
 - Established fault, concealed by younger formation
 - Inferred, probable or indefinite fault, concealed
 - Joint patterns from photo-interpretation
 - PL6 Text reference - G.M.R. Bull. 36
 - Highway
 - Vehicle track
 - Homestead
 - Telephone or telegraph line
 - Fence
 - Airplane
 - Bore with wind pump
 - Sub-artesian bore with wind pump
 - Tank
 - Well
 - Spring
 - Swamp
 - Dune
 - Minor control points
 - Dry oil bore, S+ stratigraphic bore only
 - Dry oil bore with show of oil
 - Contour - interval 250 feet
 - Spot height in feet

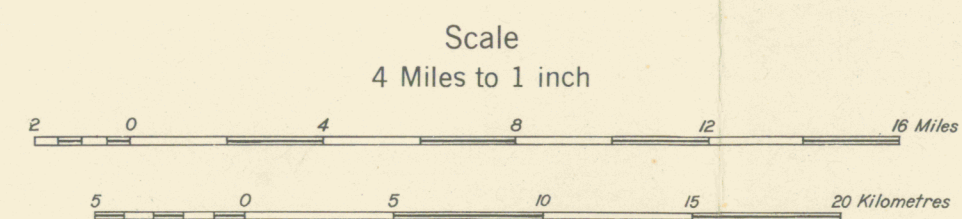
Reference

- QUATERNARY
- Q_{ub} Residual black soil
 - Q_{ur} Other residual soils
 - Q_{oa} Alluvium
 - Q_{ez} Travertine, tufa (caliche)
 - Q_d Sand, dunes
- TERTIARY
- P_{ir} Pliocene ironstone
 - Warrimbah Conglomerate
 - Tw Poorly consolidated boulder beds forming old river terraces
- JURASSIC
- J_{ub} Thin bedded sandstone with alternations of siltstone; marine fossils
 - J_{uj} Strongly cross-bedded ferruginous conglomeratic sandstone
 - J_{ub} Unsorted conglomeratic silty sandstone, and white siltstone
- POST TRIASSIC
- F_z Lignite-rich volcanic rocks
- TRIASSIC
- T_{bl} Grey and brown siltstone, shale and sandy shale exposed; blue grey shale in lores; marine fauna
- PERMIAN
- P_l Micaceous silty sandstone, conglomeratic sandstone and silty sandstone strongly ferruginous
 - P_h Shale, siltstone, limestone, intraformational conglomerate
 - P_o Well or thinly bedded micaceous silty sandstone and sandstone; well developed current bedding and ripple marking
 - P_g Massive aqueoglaciated unsorted silty sandstone, conglomeratic sandstone, siltstone, shale, and varved rocks
- CARBONIFEROUS
- C_{bl} Calcarenite, sandy and silty limestone, and siltstone
- UPPER DEVONIAN
- D_{uf} Limestone breccia, calcarenite, sandy and silty limestone, marl and sandstone
 - G_{ek} Grey calcarenite, silty limestone, and limestone breccia; small bioherms
 - O_{sc} Limestone breccia, calcarenite, and biohermal limestone
 - B_{ro} Red, grey and mottled limestone breccias, calcarenite, sandy limestone, silty limestone, white limestone, small bioherms
 - C_{op} Interbedded grey, red, and mottled clastic limestone, silty limestone, sandy limestone, and silty limestone
 - F_{os} Calcarenite, limestone breccia, limestone, and biohermal limestone
 - S_{to} Boulder and pebble beds
 - M_{tp} Grey and brown bedded limestone, siltstone, and shale; and red calcareous siltstone, silty limestone, shale, and bioherms
 - S_{pc} Boulder and pebble beds
- MIDDLE DEVONIAN
- D_{sd} Clastic limestone, silty limestone, sandy limestone, and bioherms
 - P_{il} Biohermal limestones, well bedded limestone, calcareous sandstone, siltstone, and marl
- ORDOVICIAN
- O_g Dolomite, sandstone, and silty dolomitic limestone
 - O_e Limestone and shale
- LOWER PROTEROZOIC & (?) ARCHAEOZOIC
- p_{cl} Schists, gneiss, slate, phyllite, granite, and granitized sediments

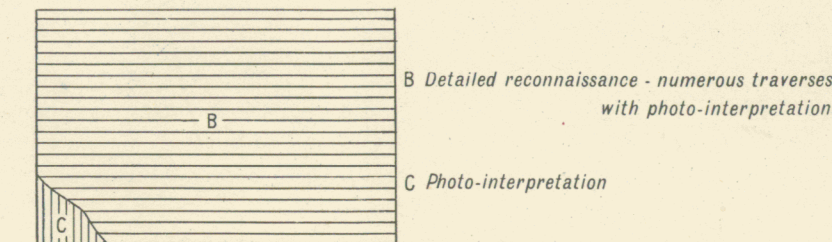
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INDEX TO ADJOINING SHEETS

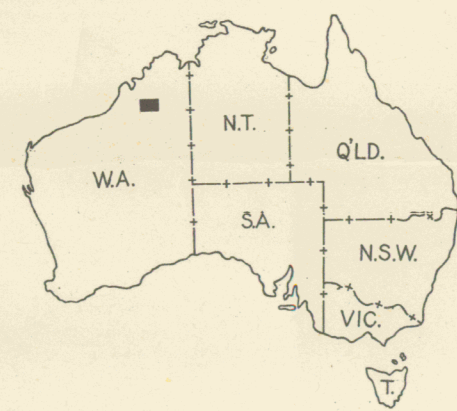
DERBY	LENNARD RIVER	LANDOWNE
MT ANDERSON	NOONKANBAH	MT RAMSAY
MC LARTY HILLS	CROSSLAND	MT BANNERMAN



GEOLOGICAL RELIABILITY DIAGRAM



Geology and compilation by: D. J. Guppy, A. W. Linder, J. H. Rattigan, J. H. Casey, J. O. Culbert, G. A. Thomas, December, 1955. Sections compiled by: G. A. Thomas and M. A. Gordon, August, 1956. Drawn by: A. J. Saunders.



NOONKANBAH
SHEET E51-12

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