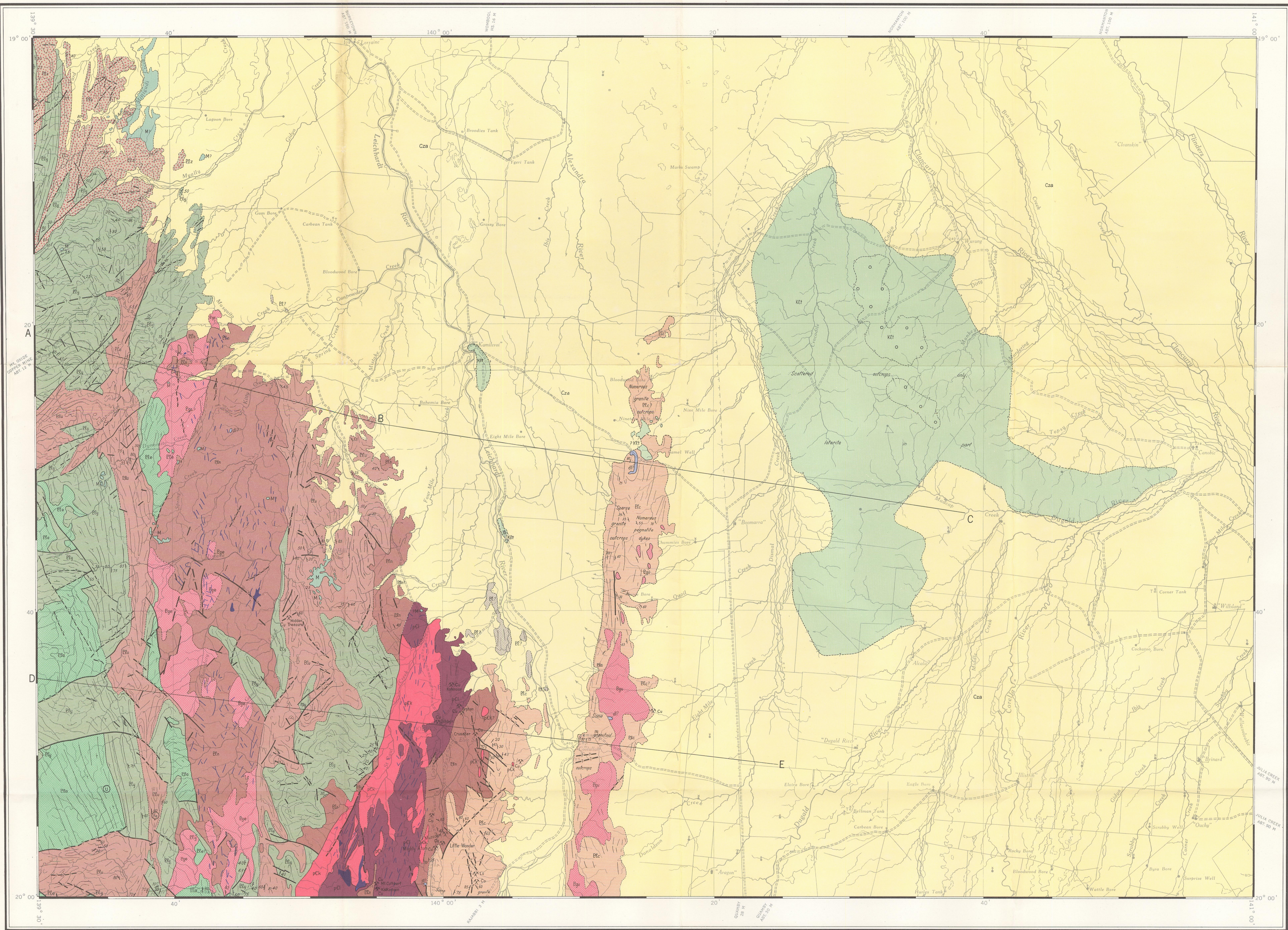


DOBBYN
QUEENSLAND

4 MILE GEOLOGICAL SERIES SHEET E 54-14

AUSTRALIA 1:253,440



Reference

- CENOZOIC**
- Cza Soil and alluvium
 - Laterite
- MESOZOIC**
- LOWER CRETACEOUS**
- KT Limestone, siltstone, sandstone
 - M Conglomerate, coarse sandstone, siltstone, (terrestrial sediments)
 - Unconformity
- PROTEROZOIC**
- LOWER**
- Ploughed Mountain Beds Sandstone, quartzite, siltstone and conglomerate
 - Surprise Creek Beds Siltstone, slate, sandstone, quartzite, dolomite
 - Unconformity
 - Probable granite emplacement
 - Myalty Beds Sandstone, quartzite, siltstone, conglomerate, some volcanics
 - Corella Formation Thin-bedded calc-silicate rocks, quartzite, schist and hornfels
 - Unconformity
 - Eastern Creek Volcanics Interbedded metabasalt, tuff, quartzite, slate and hornfels
 - Metadolerite dykes and sills
 - Argylla Formation Acid and basic lavas, with quartzite, recrystallized limestone, agglomerate, arkose and schist
 - ? Unconformity
 - Probable granite emplacement
 - Leichhardt Metamorphics Recrystallized dacite, with some basalt schist, gneiss and migmatite
- ? ARCHAEO**
- Granites**
- Naraku Granite Mainly medium-grained red granite with some coarse-grained granites
 - Ewen Granite Red porphyritic and massive granites
 - Kalkadoon Granite Complex of coarse and fine grained, porphyritic, foliated and massive granites
- These are composite bodies, each probably of two ages in the Proterozoic. The Kalkadoon Granite may also include ? Archaean intrusives.

Section A-B-C
(folding schematic)

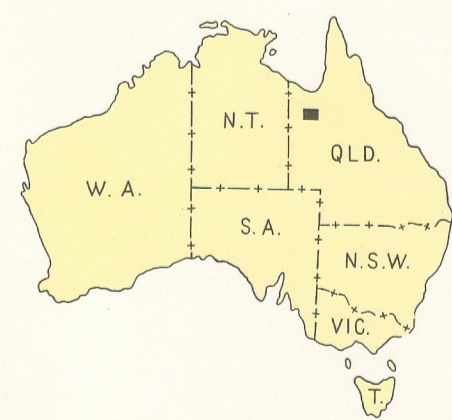
Vertical scale 10.6 exaggeration

B

C

A

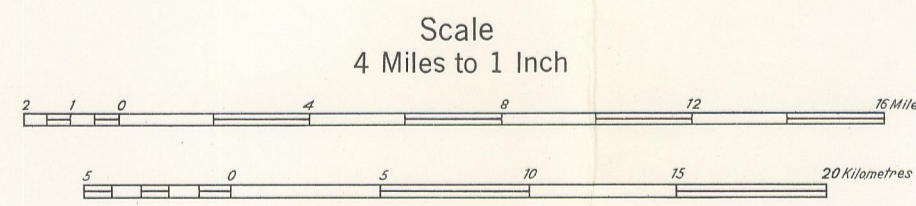
Compiled and published by the Bureau of Mineral Resources, Geology and Geophysics, Department of National Development, in conjunction with the Geological Survey of Queensland. Topographic base compiled and drawn by the Division of National Mapping, Department of National Development. Aerial photography by the Royal Australian Air Force. Complete vertical coverage at 1:50,000 scale. Transverse Mercator Projection.



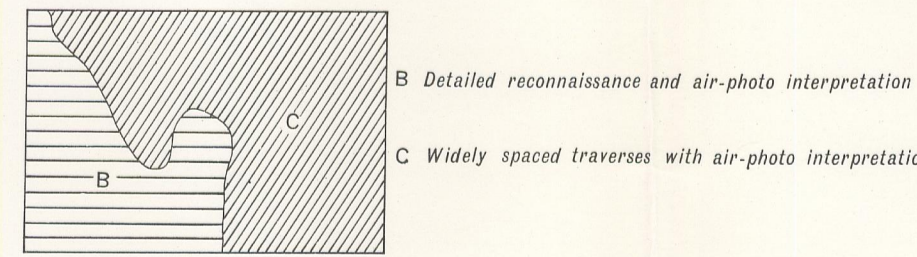
INDEX TO ADJOINING SHEETS

Showing Magnetic Declination		
LAWN HILL	DONORS HILL	CROYDON
CAMDOWEA	DOBBYN	MILLUNGERA
MT ISA	CLOONCURRY	JULIA CREEK

ANNUAL CHANGE 30 E



GEOLOGICAL RELIABILITY DIAGRAM



Geology by: J. F. Ivanac, E. M. Bennett, D. J. Gates, J. H. Brooks, R. A. Seal, E. R. Carter, C. E. Prichard. Compiled: July 1957 by E. R. Carter and E. M. Bennett. Drawn by: P. R. Brown. Printed by: Mercury Press Pty. Ltd., Hobart.



Section D-E
(folding schematic)

Vertical scale 10.6 exaggeration

