

QUATERNARY
PALAEO-CENOZOIC
CAMBRIAN
PROTEROZOIC
PRE-CAMBRIAN

Reference

- s Permanent snow and ice on mountains
- Qm Moraine
- Qs Scree and till
- Qp Patterned ground developed on both in-situ and transported rock debris
- B Biotite pegmatites locally containing muscovite, seen only at Wilson Bluff
- Eb Well banded, dark grey, middle to lower amphibolite facies metasediments including conglomerates, quartzites, calcareous quartzites, metapelites and schists. Typical mineral assemblages include garnet, biotite, actinolite, blue-green hornblende, carbonates, plagioclase and quartz.
- pCw Brown weathering metamorphosed calcareous sandstone typically pervaded by abundant actinolite with or without diopside
- pEa Well banded spectacularly folded gneiss with subordinate interbanded basic gneiss and amphibolite

Because of large scale recumbent folding the sequence of rock units in the reference above may not be indicative of the true stratigraphic succession

The Prince Charles Metamorphic Complex has resulted from several metamorphic events. Because metamorphic effects vary from place to place, rock units that are locally distinctive mapping units may not be recognizable elsewhere. In the reference above the order of the rock units is determined by field observations and isotopic age determinations and does not necessarily have any stratigraphic significance

- Geological boundary
- Overturned anticline, showing dip of axial plane
- Fault
- Where location of boundaries, folds and faults is approximate, line is broken; where inferred, queried, where concealed, boundaries and faults are dotted; faults are shown by short dashes
- Trend line, airphoto interpretation
- ~ Strike and dip of foliation, measured
- ~ Strike and dip of foliation, unmeasured
- Dyke or vein; amp-amphibolite, p-pegmatite
- Edge of rock, with snow covering
- Escarpment
- Arête
- Distorted ice
- Crevasses
- ▲ Trigonometrical station
- 1081 Elevation in metres
- 617 Geological station, ANARE
- 700000 Gravity station, BMR

CAUTION

Absence of the depiction of crevasses does not necessarily indicate a crevasse-free area

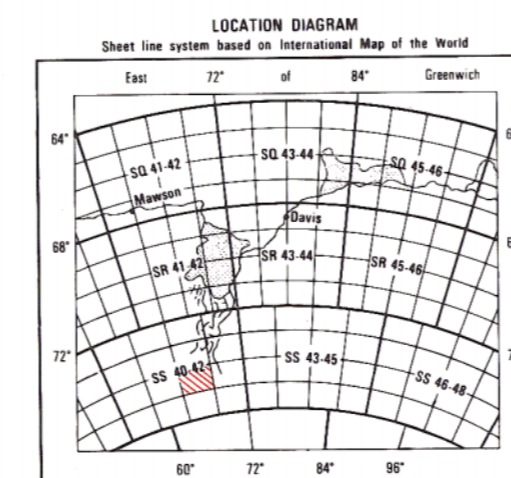
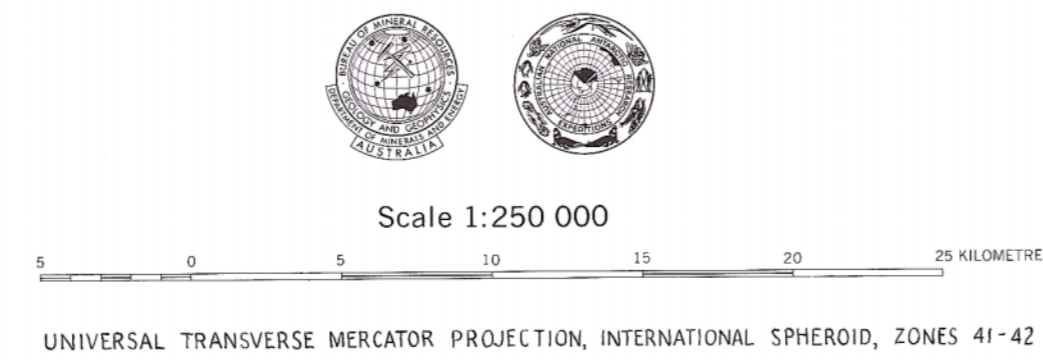
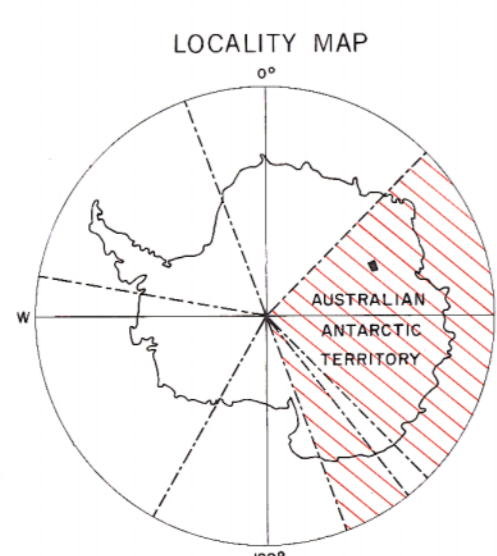
Geographical names have been approved by the Antarctic Names Committee of Australia

GEOLOGICAL RELIABILITY

Outcrop mapped by helicopter and foot traverse, and airphoto interpretation

Ice detail interpreted from ERTS 1 imagery (band 7, 0.8-1.1µm)

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Geology 1998 by I.R. McLeod
1912 by R.N. England
1917 by P.A. Arrivens (ANU), R.N. England,
1979 by I.W. Sheraton, R.J. Tingey
Glaciology 1972-1974 by ANARE
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