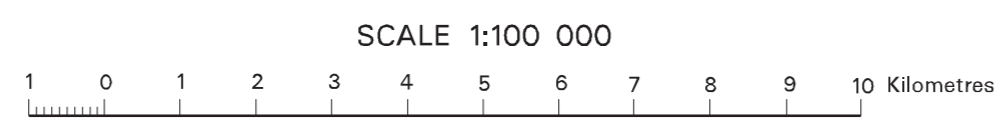


DIGITAL DATA
The digital data for this map were compiled on the AGSO ArcInfo System and may be available for transfer to other digital systems...



UNIVERSAL TRANSVERSE MERCATOR PROJECTION
LATITUDE OF ORIGIN: 0°; LONGITUDE OF ORIGIN: 129°

This map shows the type and distribution of regolith-landform units and indicates their dominant regolith-landform associations. These units are defined patterns of recurring landform elements with characteristic regolith associations...

Regolith and geomorphology interpreted and compiled 1992-1994 by R.A. Chan, AGSO and C. Fleming, University of Canberra.

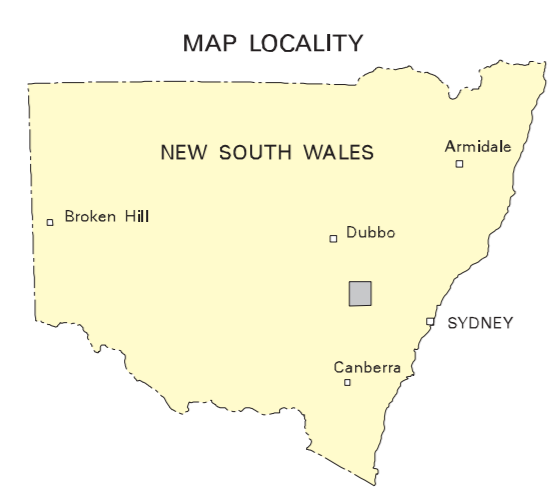
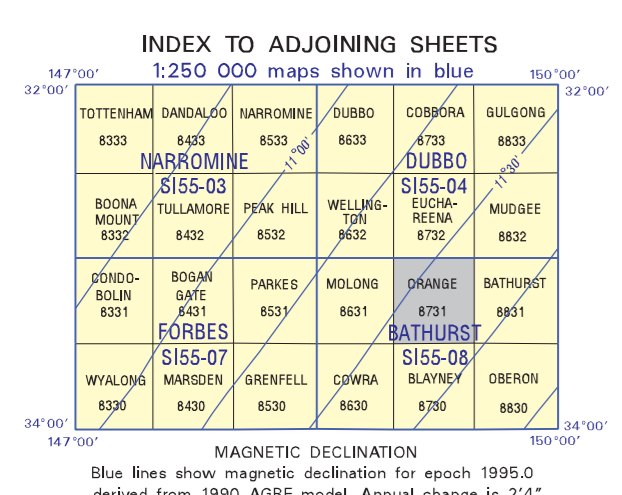
Cartography by T. Brennan, N. Curby, S. Scott, Cartographic Services Unit, AGSO. Magnetic declination information for 1985 supplied by Geomagnetic Section, AGSO.

Topographic base map compiled from digital data supplied by Australian Surveying and Land Information Group, © AGSO 1994, with modifications.

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The Commonwealth does not warrant that this map is definitive, nor free of error and does not accept liability for loss caused or arising from reliance upon information provided hereon.



WARNING: Colours will fade with prolonged exposure to light.

TRANSPORTED REGOLITH

- T Terrestrial sediments
A Alluvial sediments
In-SITU REGOLITH
RL Lag
RC Residual clay
S Saprolite

Depositional plains
locally mixed sediments with high salt content; various weeds
Flood plains
Art1. Present floodplains with some terraces in upper river reaches

Very highly weathered bedrock

SV1. Deep saprolite with deep red soils and fernous induration; clay in drainage lines; some remnant of basal weathering north of Orange; conical rises with long slopes; part of extensive plateau with steep escarpments towards the south

Highly weathered bedrock

SH1. Alluvium and palaeosols in underflow stream, lower cultural slopes, north-northwest trending
SH2. Remnant basalt on scattered crests, bedrock close to surface in places; rounded crests
SH3. Weathered granite with alluvial black soil veneer in places; alluvium, colluvium and residual clay in low areas; open rises and depressions terraced in places and channels; remnant palaeosols of Macintyre River

Moderately weathered bedrock

SM1. Includes areas of slightly weathered bedrock, more highly weathered on flanks of rises; plateau remnants bounded by high steep escarpments
SM2. Remnant palaeosols and adjacent sub-basaltic saprolite slopes; open channel of Macintyre River higher and to northeast of present escarpment crest
SM3. Some colluvium; a few low hills

Slightly weathered bedrock

SS1. Includes moderately weathered bedrock; flat and sloping north-south elongated plains with some rises; bedrock plateau edge on north and south sides of Bathurst Granite erosion bowl

BEDROCK

- BU Unweathered bedrock

Hills
BU1. Stony some soils or base of slopes, slightly weathered bedrock and skeletal soils in places; minor area of remnant soil on flat ridges; very steep hills and mountains; a few remnant flat-topped ridges on higher terrain; part of metamorphic remnant of Bathurst Granite

INDURATION

- Ferrous induration

Notable occurrences (not necessarily widespread)

LAVA FLOWS

- Multiple weathering profiles associated with lava flows

LANDFORMS

DEPOSITIONAL LANDFORMS

- a Alluvial landforms
f Flood plains
fl Flooded land
al Alluvial terraces
to Cultural terraces
pl Depositional plains

EROSIONAL LANDFORMS

- ep Erosional plains
er Ridges
es Erosional rises
el Low hills
eh Hills
em Mesotopes

VOLCANIC LANDFORMS

- vl Lava plains
vp Lava plateaus

NGMA

Product of the National Geoscientific Mapping Act



ORANGE

REGOLITH-LANDFORMS

SHEET 8731

PRELIMINARY EDITION 1995

SUBJECT TO AMENDMENT

MINERAL DEPOSITS

Bathurst Mineral Deposit Database, Department of Mineral Resources, NSW

- Au Polymetallic
Cu and Au Fe and Mn
Cu Pyrite
Au and (Ag) Sn, W, Mo
Ag and (Au) Coal and Oil
Ag and (Sens) Industrial
Gems