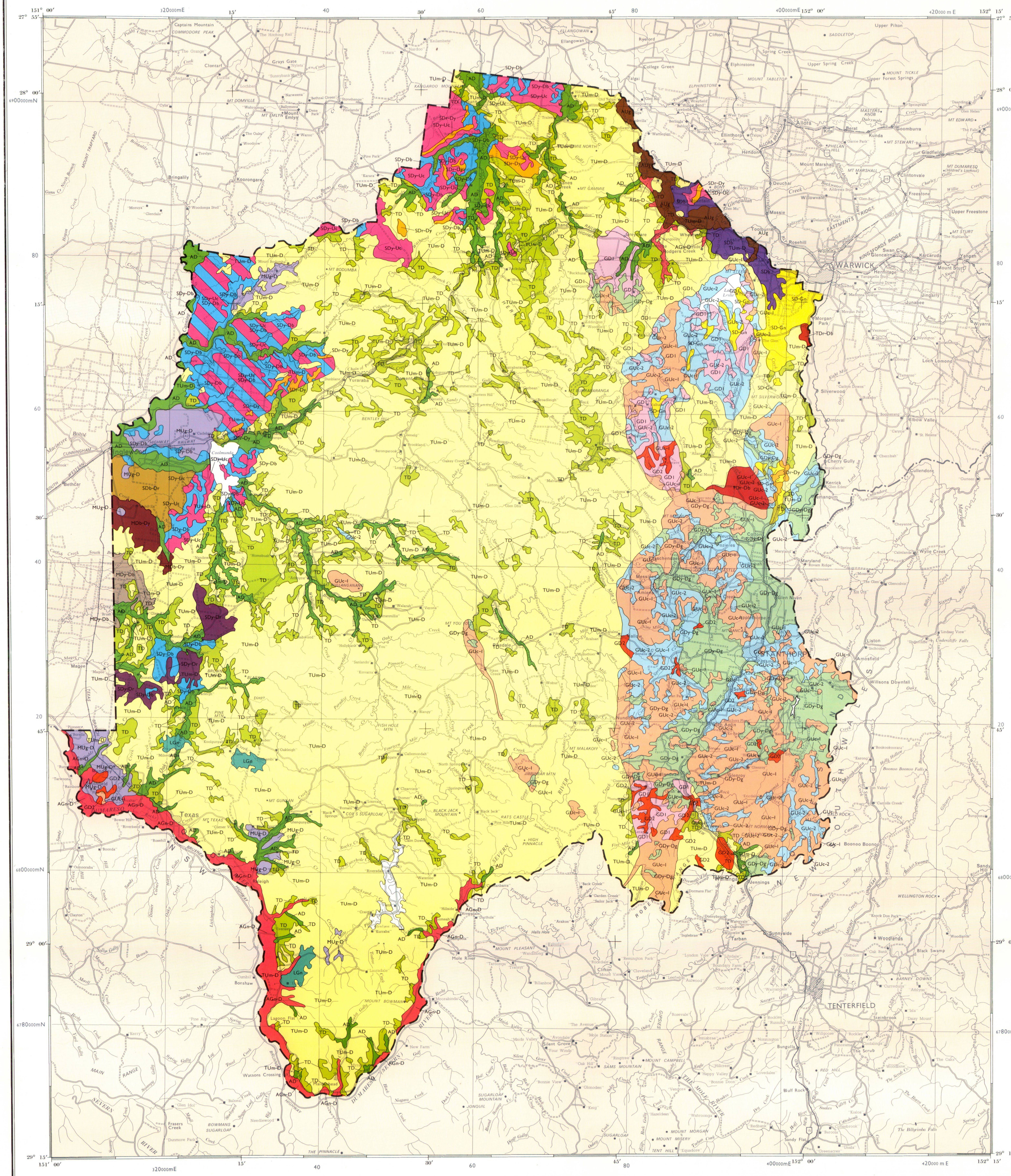
QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES
DIVISION OF LAND UTILISATION

SOILS

1:250000

THE GRANITE AND TRAPROCK AREA OF SOUTH EAST QUEENSLAND



REFERENCE

MAPPING UNIT	DOMINANT SOILS (> 70% OF UNIT)	MINOR SOILS (≤ 30% OF UNIT)
SOILS DEVELOPED ON ALLUVIUM		
AUg	Dark, cracking clays (black earths) Ug 5.17.	Dark loams (alluvial soils) Um 5.52.
AGn-D	Dark-brown, structured earths Gn 3.23, Gn 3.25, Gn 3.36, Gn 3.42. Dark-brown, texture contrast soils (solodics, solodized solonetz) Db 1.42, Db 1.43, Dy 2.42, Dd 1.43, Dd 3.23.	Dark loams (alluvial soils) Um 1.43, Um 1.44, Gn 2.43. Dark, hardsetting clays Uf 6.31, Uf 6.32, Uf 6.33.
AD	Yellowish-brown and brown, neutral to alkaline, texture contrast soils (solodics, solodized solonetz) Dy, Db.	Red, acid, texture contrast soils (soloths) Dr 2.41, Dr 4.41. Red and brown, alkaline, structured earths Gn 3.16, Gn 3.19, Gn 3.55, Gn 3.74. Sandy-loams (alluvial soils) Uc 1.23, Uc 4.22. Brown, grey and dark, cracking clays (brown and grey clays) Ug 5.1, Ug 5.2.
SOILS DEVELOPED ON GRANITE		
GUc-1	Gritty, siliceous sands amongst rock outcrops (siliceous sands) Uc 2.12, Uc 2.21, Uc 2.34.	Shallow, gritty sands (lithosols) Uc 2.12. Yellow, acid, texture contrast soils (yellow podzolics) Dy 4.41, Dy 5.41.
GUc-2	Gritty, siliceous sands (siliceous sands) Uc 2.12, Uc 2.21.	Yellow, acid, texture contrast soils (yellow podzolics) Dy 4.41, Dy 5.41.
GDy-Dg	Acid, yellow and grey, mottled, texture contrast soils (yellow podzolics, gleyed podzolics) Dy 3.41, Dy 5.41, Dg 2.41, Dg 4.41.	Gritty siliceous sands (siliceous sands) Uc 2.12, Uc 2.21. Neutral to alkaline, texture contrast soils (solodics, solodized solonetz) Dy 3.42. Bleached, yellow earths Gn 3.84, Gn 3.04, Gn 2.74.
GD1	Acid to neutral, texture contrast soils (soloths, solodics, solodized solonetz) Dr, Db, Dg.	Alkaline, texture contrast soils (solodics, solodized solonetz) Dy 5.43.
GD2	Alkaline, texture contrast soils (solodics, solodized solonetz) Dr, Db, Dg.	Acid to neutral, texture contrast soils (soloths, solodics, solodized solonetz) Dy 3.41, Dg 2.42, Dy 3.43.
SOILS DEVELOPED ON LIMESTONE		
LGn	Red-brown, structured earths (terra rossa) Gn 3.13, Gc 2.22.	Dark-red, hardsetting, calcareous clay (rendzina) Uf 6.31.
SOILS DEVELOPED ON SANDSTONE		
Gravelly soils		
SDr-Dy	Shallow, gravelly, acid, texture contrast soils (soloths) Dr 2.11, Dr 2.21, Dr 2.31.	Shallow, stony sands (lithosols) Uc 1.2. Deep sands (siliceous sands) Uc 2.31.
SDy-Dr	Shallow, gravelly, acid, bleached, texture contrast soils (soloths) Dy 3.41, Dy 4.41, Dr 5.41.	Neutral to alkaline, texture contrast soils (solodics, solodized solonetz) Dy 2.42, Dy 2.43.
SDb-Dr	Red-brown, alkaline, texture contrast soils (solodics, solodized solonetz) Dr 2.13, Dr 2.43, Db 1.42.	Acid, texture contrast soils (soloths) Db 2.41.
Less gravelly soils		
SD-Gn	Brown, acid, texture contrast soils (soloths, red podzolics, non-calcic brown soils) Dr 2.12, Dr 4.41, Db 2.42, Dy 2.41, Dy 5.41. Red, massive earths (red earths) Gn 2.11, Gn 2.12, Um 5.52.	Neutral to alkaline, texture contrast soils (solodics solodized solonetz) Dy 2.42. Earthy sands (earthy sands) Uc 1.22. Brown, hardsetting clays Uf 6.31.
SDb	Brown, neutral to alkaline, texture contrast soils (red-brown earth-solodic intergrades) Db 2.33, Db 3.13, Dy 2.22, Dy 2.23.	Grey, brown and dark, cracking clays (grey and brown clays) Ug 5.1, Ug 5.2, Ug 5.3. Alkaline, texture contrast soils (solodics, solodized solonetz) Dy, Db.
SDy-Uc	Yellow, acid, texture contrast soils (soloths) Dy 2.41, Dy 5.41. Deep, bleached, siliceous sands (siliceous sands) Uc 2.12, Uc 1.23, Uc 2.31, Uc 2.34.	Yellow, acid, texture contrast soils (yellow podzolics) Dy 5.81, Gn 3.84. Neutral to alkaline, texture contrast soils (solodics, solodized solonetz) Dy 4.42. Earthy sands (earthy sands) Uc 5.2, Gn 2.34. Red, acid, texture contrast soils (soloths) Dr 2.41.
SDy-Db	Yellow to brown, neutral to alkaline, texture contrast soils (solodics, solodized solonetz) Db 1.42, Db 1.43, Dy 2.41, Dy 3.43.	Acid, texture contrast soils (soloths) Dy 2.41. Red, hardsetting clays Uf 6.31.
SOILS DEVELOPED ON 'TRAPROCK'		
TUm-D	Shallow, gravelly loams (lithosols) Um 2.12, K-Um 2.12, Um 2.21, Um 5.51. Shallow, gravelly, texture contrast soils (soloths, solodics, solodized solonetz) Dr, Dy, Db.	Shallow to deep, gravelly earths. Gn 2, Gn 3. Shallow, gravelly clays. Uf 6.31.
TD	Shallow, gravelly, texture contrast soils (soloths, solodics, solodized solonetz) Dr, Dy, Db.	Shallow, gravelly loams (lithosols) Um. Deep, gravelly, texture contrast soils (soloths, solodics, solodized solonetz) Dy, Db.
TDr-Db	Shallow, gravelly, red-brown, acid to neutral, texture contrast soils (non-calcic brown soils, soloths) Dr 2.11, Dr 2.12, Db 2.12, Dr 2.41.	Alkaline, texture contrast soils (solodics, solodized solonetz) Dy, Db. Shallow, gravelly loams (lithosols) Um. Brown, structured earths (brown earths) Gn 3.21.
SOILS OF MIXED ORIGIN		
MUg-D	Grey and brown, cracking clays (grey and brown clays) Ug 5.13, Ug 5.24. Alkaline, texture contrast soils (solodics, solodized solonetz) Db 2.13, Db 4.43, Dy 2.13, Dr 2.43.	Red, cracking clays (red clays) Ug 5.3, Ug 5.4.
MDb-Dy	Gravelly, brown and yellowish-brown, alkaline, texture contrast soils (solodics, solodized solonetz) Db 1.42, Dy 2.42, Dy 2.43.	Acid, gravelly, texture contrast soils (soloths) Dy, Db. Red, massive earths (red earths) Gn 2.11.
MDy-Db	Gravelly, brown and yellowish-brown, acid, texture contrast soils (soloths) Db 1.41, Dy 2.41, Dy 2.42.	Alkaline, texture contrast soils (solodics, solodized solonetz) Dy, Db. Red, gravelly, acid, texture contrast soils (soloths) Dr 2.41.

NOTES

'Bleached' denotes the presence of a whitish sub-surface (A_2 horizon).

Colour, structure and pH terms used for soils with gradational texture profiles (earths) and soils with texture contrast profiles refer to clayey sub-soil characteristics.

The terms in brackets refer to the approximate Australian Great Soil Group equivalents of the soil profile classes.

LOCATION MAP

SCALE 1: 250 000

5 0 5 10 15 20 25 Kilometres

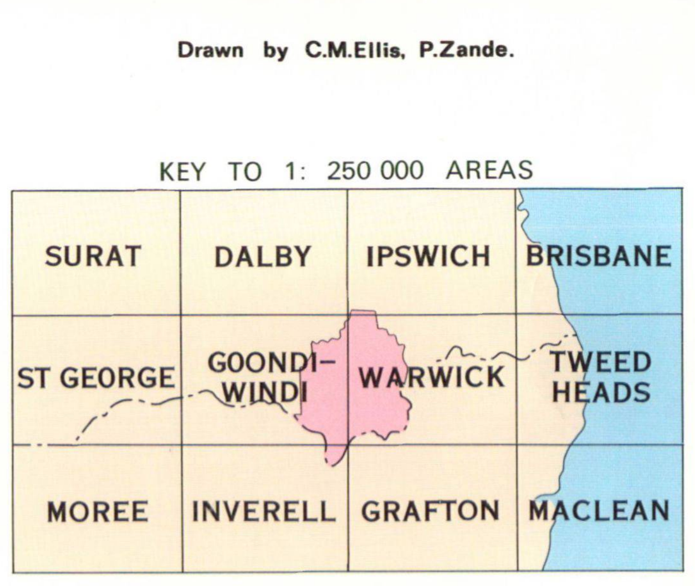
5 0 5 10 15 20 Miles

UNIVERSAL TRANSVERSE MERCATOR PROJECTION

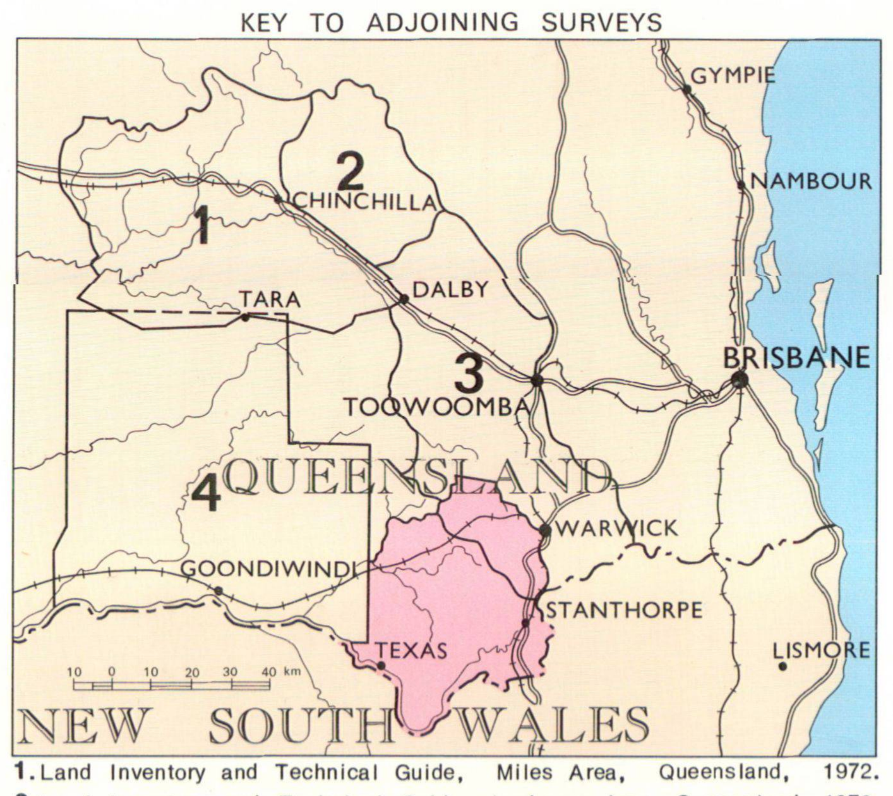
20 000 metres Australian Map Grid, zone 56.

Drawn by C.M.Ellis, P.Zande.

KEY TO 1: 250 000 AREAS



KEY TO ADJOINING SURVEYS



1. Land Inventory and Technical Guide, Miles Area, Queensland, 1972.
2. Land Inventory and Technical Guide, Jandowae Area, Queensland, 1972.
3. Land Inventory and Technical Guide, Eastern Downs Area, Queensland, 1972.
4. The Soils of the Inglewood – Talwood – Tara – Glenmorgan Region, Queensland, Tech. Bull. No.5, Bureau of Investigation, 1957.

COMPILATION:- Soils survey, mapping and descriptions by B. Powell (Agricultural Chemistry Branch).

PREPARED by Division of Land Utilisation, Queensland Department of Primary Industries.

CARTOGRAPHIC BASE compiled by Drafting Branch, Department of Mines and Division of Land Utilisation, Department of Primary Industries, Queensland.

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