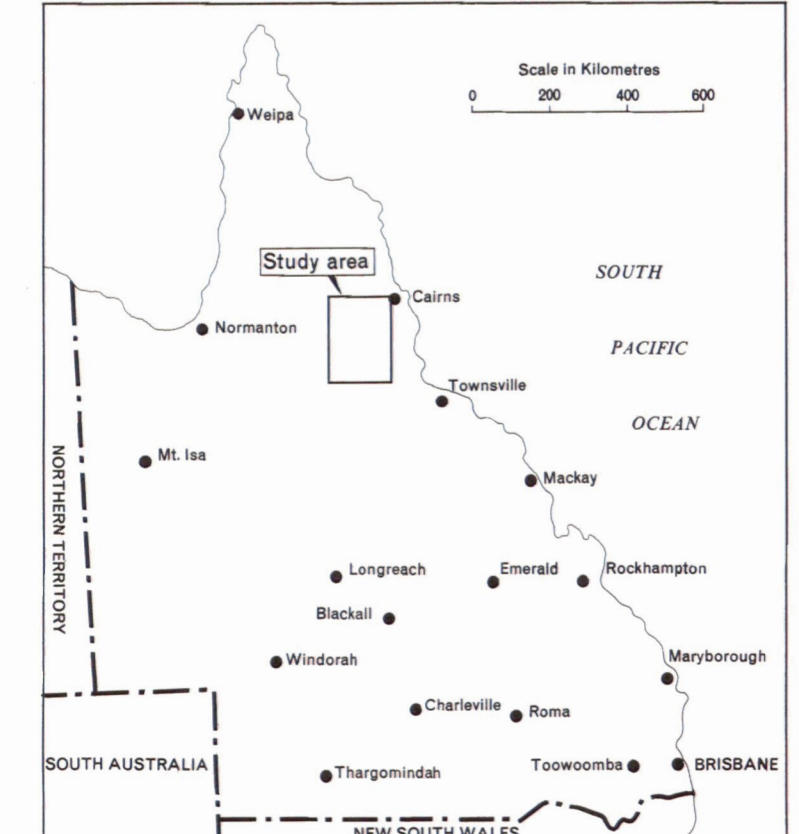


Mapping Unit *	Dominant Great Soil Group	Associated Great Soil Group
SOILS OF THE STEEP HILLS AND MOUNTAINS (M) ON GRANITE (G)		
PHG	Podzol (P)	Lithoal, siliceous sand
SOILS OF THE STEEP HILLS AND MOUNTAINS (M) ON ACID VOLCANIC ROCKS (V)		
PLRV	(Podzolic) lithoal (PL)	Yellow podzolic soil, siliceous sand
RVV	Red podzolic soil (R)	Kranzom
SOILS OF THE UNDULATING AND ROLLING HILLS (H) ON BASALT (B)		
KRB	Kranzom (K)	Red podzolic soil
PSNB	Prairie soil (PS)	Red podzolic soil
SOILS OF THE UNDULATING AND ROLLING HILLS (H) ON ACID VOLCANIC ROCKS (V)		
PLRV	(Podzolic) lithoal (PL)	Siliceous sand, yellow podzolic soil
XRV	Xanthozem (X)	Red podzolic soil, kranzom
RVV	Red podzolic soil (R)	Xanthozem
SRVV	(Stony) red podzolic soil (SR)	Yellow podzolic soil
SOILS OF THE UNDULATING AND ROLLING HILLS (H) ON GRANITE (G)		
PHG	Podzol (P)	Siliceous sand
PLNG	(Podzolic) lithoal (PL)	Siliceous sand
RENG	Red earth (RE)	
RNG	Red podzolic soil (R)	
SCNG	Solodic soil (SC)	Yellow podzolic soil
KNG	Kranzom (K)	Red podzolic soil
SOILS OF THE UNDULATING AND ROLLING HILLS (H) ON METAMORPHIC ROCKS (M)		
RHM	Red podzolic soil (R)	Yellow podzolic soil, non-calcareous soil
YEHM	Yellow earth (YE)	Red earth, red podzolic soil
PLHM	(Podzolic) lithoal (PL)	Podzol, red podzolic soil
NCHM	Non-calcareous brown soil (NC)	Euzozem, yellow podzolic soil
PHM	Podzol (P)	
SOILS OF THE UNDULATING AND ROLLING HILLS (H) ON SEDIMENTARY ROCKS (S)		
PLHS	(Podzolic) lithoal (PL)	Podzol, yellow podzolic soil
RHS	Red earth (RE)	Red earth, lithoal
RHS	Red earth (RE)	Siliceous sand, yellow earth
PHS	Podzol (P)	
SCHS	Solodic soil (SC)	Soloth, yellow podzolic soil
BGHS	(Bleached) grey earth	Yellow earth, siliceous sand
SOILS OF THE UNDULATING TO ROLLING RISES (S) ON DOLERITE (D)		
NCSD	Non-calcareous brown soil (NC)	Euzozem
SOILS OF DISSECTED PLATEAUS (P) ON BASALT (B)		
EDB	Euzozem (E)	Lithoal
BEED	Black earth (BE)	(Stony) kranzom
SOILS OF DISSECTED PLATEAUS (D) ON TERTIARY LATERITIC REMNANTS (R)		
REDR	Red earth (RE)	Podzol
PLDR	(Podzolic) lithoal (PL)	Red earth, yellow earth
SCDR	Solodic soil (SC)	Soloth, yellow and brown podzolic soils
SOILS OF THE UNDULATING TO ROLLING RISES (S) ON GRANITE (G)		
RESG	Red earth (RE)	Siliceous sand
YSSG	Yellow podzolic soil (Y)	Red podzolic soil, red earth
RSSG	Red podzolic soil (R)	
NCSSG	Non-calcareous brown soil (NC)	Red podzolic soil, euzozem, yellow podzolic soil
SOILS OF THE UNDULATING TO ROLLING RISES (S) ON SEDIMENTARY ROCKS (S)		
YSS	Yellow podzolic soil (Y)	Solodic soil
RSS	Red podzolic soil (R)	Solodic soil, soloth
SOILS OF THE UNDULATING (U) BASALT (B) LAVA PLAINS		
KUB	Kranzom (K)	Euzozem
SKUB	(Stony) kranzom (SK)	Euzozem
EUB	Euzozem (E)	Kranzom
PSUB	Prairie soil (PS)	Xanthozem
SOILS OF THE UNDULATING RISES (R) ON TRANSPORTED (T) SEDIMENTS		
RERT	Red earth (RE)	(Bleached) grey earth, yellow earth
YERT	Yellow earth (YE)	(Bleached) grey earth, red earth
RRT	Red podzolic soil (R)	Yellow podzolic soil, solodic soil
SOILS ON GENTLY UNDULATING PLAINS (P) ON TRANSPORTED LIMESTONE (L) SEDIMENTS		
RPL	Red podzolic soil (R)	Red earth
BCPL	Brown clay (BC)	Reddish, non-calcareous brown soil
SOILS OF THE GENTLY UNDULATING RISES (R) ON GRANITE AND GRANODIORITE (G)		
RERG	Red earth (RE)	Red podzolic soil, humus podzol
RRG	Red podzolic soil (R)	Non-calcareous brown soil
YERG	Yellow earth (YE)	Red earth, red podzolic soil
YER	Yellow podzolic soil (Y)	Red podzolic soil, red earth
BERG	Black earth (BE)	Brown clay, red clay, euzozem
SOILS OF THE GENTLY UNDULATING PLAINS (P) AND RISES ON TRANSPORTED (T) SEDIMENTS		
REPT	Red earth (RE)	Yellow earth
YERT	Yellow earth (YE)	(Bleached) yellow earth, red earth
BYPT	(Bleached) yellow earth (BY)	(Bleached) grey earth, red earth
SOILS OF THE GENTLY UNDULATING PLAINS (P) AND PLATEAUS ON TERTIARY LATERITIC REMNANTS (R)		
REPR	Red earth (RE)	Red earth
YERP	Yellow earth (YE)	Red earth, (bleached) grey earth
KPR	Kranzom (K)	Red earth
SOILS OF THE GENTLY UNDULATING TO UNDULATING RISES (R) ON METAMORPHIC ROCKS (M)		
NCRM	Non-calcareous brown soil (NC)	Yellow podzolic soil
ERM	Euzozem (E)	Kranzom, non-calcareous brown soil
YERM	Yellow earth (YE)	Red earth, red podzolic soil
SOILS OF THE BASALT LAVA PLAINS (LB)		
SKLB	(Stony) kranzom (SK)	(Stony) euzozem
SBLB	(Stony) black earth (SB)	(Stony) brown clay
BLB	Black earth (BE)	Brown clay, xanthozem
KLB	Kranzom (K)	Euzozem, (stony) xanthozem
BCLB	Brown clay (BC)	(Stony) xanthozem
SELB	(Stony) euzozem (SE)	(Stony) kranzom, brown clay
ELB	Euzozem (E)	Kranzom
XLB	Xanthozem (X)	(Brown) kranzom
WLB	Waleswooden (W)	Kranzom, xanthozem
SOILS OF THE ALLUVIAL PLAINS (A) ON NON-BASALT ALLUVIUM (N)		
SCAN	Solodic soil (SC)	(Bleached) grey earth, solodized solonchak
PAN	Podzol (P)	Grey brown podzolic soil
SHAN	Soloth (SH)	Red and brown podzolic soils
GSAN	Grey clay - solodic soil complex (GS)	Solodized solonchak
YAN	Yellow earth (YE)	Red earth, red podzolic soil
BYAN	(Bleached) yellow earth (BY)	(Bleached) grey earth, red earth, yellow earth
RAN	Red podzolic soil (R)	Red brown podzolic soil
PSAN	Prairie soil (PS)	Solodic soil
GBAN	Grey brown podzolic soil (GB)	Red podzolic soil
SOILS OF THE ALLUVIAL PLAINS (A) ON BASALTIC ALLUVIUM (L)		
BEAL	Black earth (BE)	Grey clay, brown clay
GCAL	Grey clay (GC)	Black earth
BNAL	Black earth (with M. bracteata) (BM)	Grey clay, brown clay
PSAL	(Stony) prairie soil (PS)	Black earth, grey clay
HGAL	Humic grey (HG)	Black earth, xanthozem
GCAL	Grey clay - red-brown soil complex (GR)	
EBAL	Euzozem (brown variant) (EB)	Chernozem
BCAL	Brown clay (BC)	
SOILS OF THE ALLUVIAL PLAINS (A) ON NON-BASALTIC ALLUVIUM (N)		
S		Permanently swampy/lake or frequently flooded
R		Unweathered basalt
M		Mining areas

LOCATION MAP



KEY TO 1:250000 AREAS

RED RIVER SE 54-4	ATHERTON SE 55-5	INNISFAIL SE 55-4
GERISTOWN SE 54-12	EINASLEIGH SE 55-0	INDHAM SE 55-10
GLBERTON SE 54-16	CLARKE RIVER SE 55-13	TOWNSVILLE SE 55-14



QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES

SCALE 1:250000

TRANSVERSE MERCATOR PROJECTION

GREY NUMBERED GRID LINES ARE 10 000 METRE INTERVALS OF THE AUSTRALIAN MAP GRID, ZONE 55.

GRID VALUES ARE SHOWN IN FULL ONLY AT THE SOUTH WEST CORNER OF THE MAP.

SURVEY by M.J. Grundy and N.J. Bryde, Land Resources Branch, Queensland Department of Primary Industries.

CARTOGRAPHY by M.B. Carroll, Land Resources Branch, Queensland Department of Primary Industries.

BASE MAP compiled from material supplied by The Royal Australian Survey Corps.

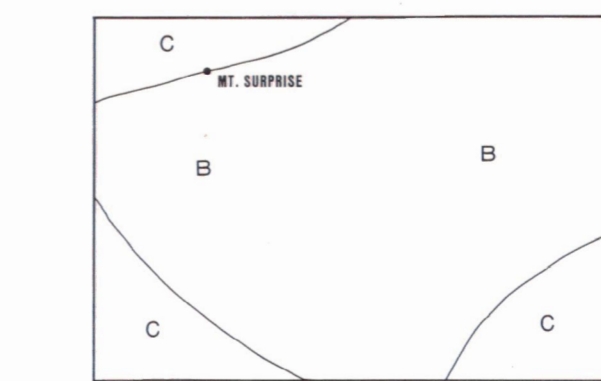
PRINTED at the Government Printing Office, Brisbane, 1988.

QUEENSLAND GOVERNMENT, 1988.

LEGEND

- Built-up area
- Roads
- Road unimproved earth, gate, cattle grid
- Track, foot or pack, footbridge
- Bridge road, bridge railway
- Railway multiple track, station siding
- Railway single track, station with siding
- Light railway or tramway
- Telephone line, power transmission line
- Fence, stone wall, quarry
- Mine, windpump, levee or dyke
- Building (i.e. church, school, yard)
- Post office, wireless transmitter, cemetery
- Control point major, minor, astronomical
- Bench mark, spot elevation in feet
- Waterhole, water tank, dam, dry lake
- Lake, river or stream perennial
- Lake, river or stream intermittent
- Dam or weir, falls, rapids
- Drain or ditch, perennial, intermittent
- Spring perennial, intermittent, ricefields
- Marsh or swamp, mangroves

RELIABILITY DIAGRAM



- A1 Existing very high intensity soils mapping. No new survey work.
- A2 Existing low intensity soils mapping. No new survey work.
- B Reconnaissance survey. Air photo interpretation with field traverses and site descriptions. Prior work incorporated.
- C Reconnaissance survey. Air photo interpretation with only limited vehicular traverses. Prior work incorporated.

Pastoral holding boundaries and names. (Holdings shown are leasehold only.)

1:100000 map sheet areas.

* The last two letters are codes for the landform and substrate respectively. These combined are a code for a soil landscape unit. The preceding one or two letters refer to the dominant Great Soil Group in a soil association within each soil landscape unit.

Units shaded in red are not suitable for cultivation. Other units have either negligible, minor or moderate limitations for agriculture.

[] Bracketed words are qualifiers, they are not an official part of the Great Soil Group name as described by Steyn et al., (1968).

