

QUAMBY

MAPUSERSNOTE

The information on this map is based on the original field work of K.D Nicolls, CSIRO Division of Soils, Adelaide. The map has been updated and reprinted by the Tasmanian Department of Primary Industries, Water and Environment. Some soil boundaries or map unit codes may differ from the original map. No attempt has been made to determine the reliability or accuracy of this map. The Crown, in the right of the State of Tasmania, does not accept any responsibility for any loss or damage which may result to any person arising from reliance on all or any part of this information, whether or not that loss or damage has resulted from negligence or any other cause.

The map provides an appraisal of the soil distribution based on landforms, climate and geology. The soil boundaries have been delineated through aerial photo-interpretation and limited field work. Although the original map was surveyed at a scale of 1:63 360 (1 inch:1 mile), it has been reprinted at a scale of 1:100 000. This map should not be enlarged and should be used in conjunction with the accompanying soil report which gives additional information for the soil map units described below.

Original work by K.D. Nicolls.
Updated by S. Spanswick and P. Zund.

Refer to this map and the accompanying report as: Nicolls, K.D. (1959) Reconnaissance soil map of Tasmania, Sheet 46 - Quamby, CSIRO Div. of Soils, Divisional Report 14/57. (Revised by S. Spanswick and P. Zund (1999) Department of Primary Industry Water and Environment, Tasmania).

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Acknowledgments

Soils surveyed by K. D. Nicolls, 1958. This map incorporates, with minor revision, data from surveys by J. Loveday and K. D. Nicolls, 1953 and G.D.Hubble, 1944.

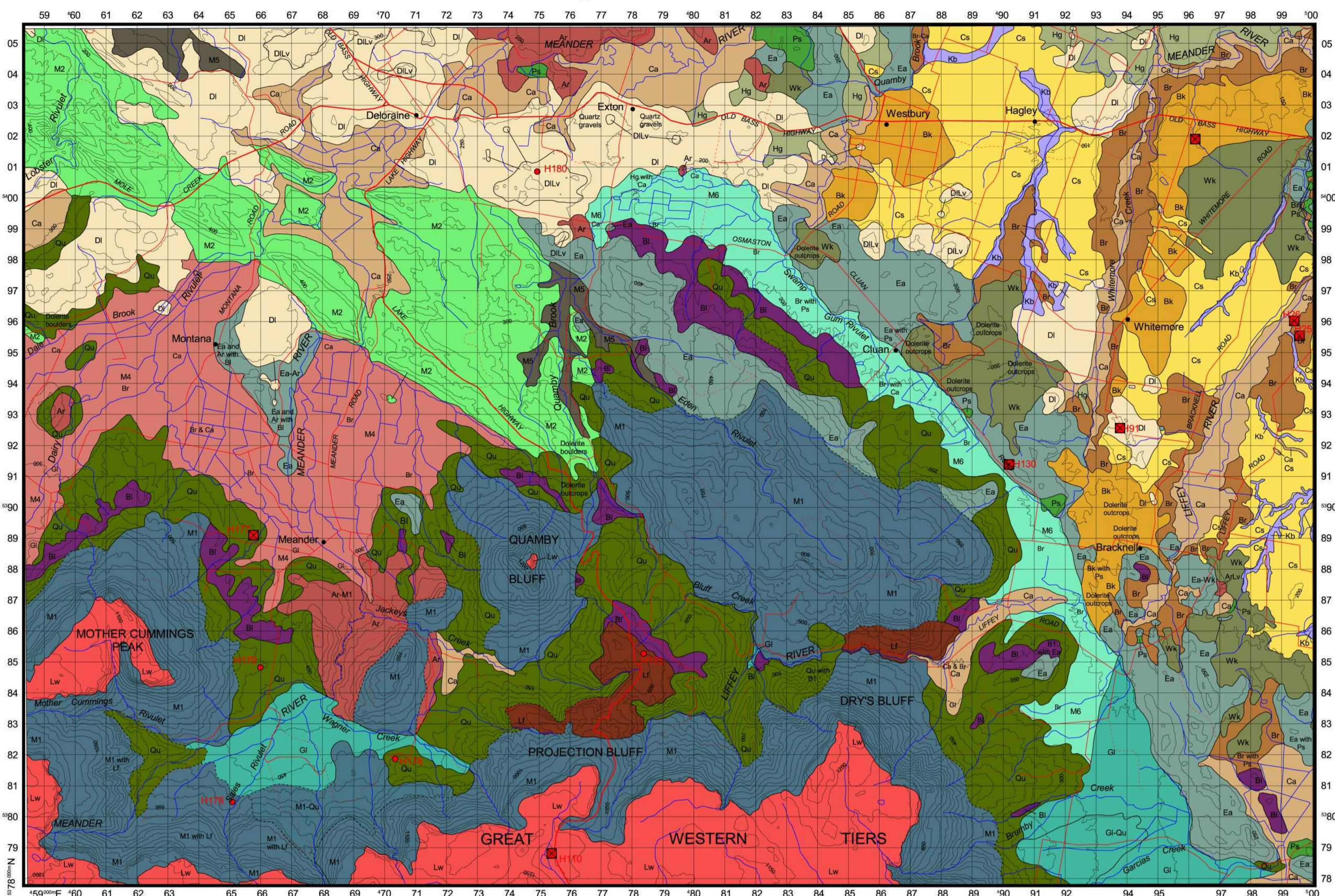
Soil data correlated by S. Spanswick and P. Zund (1998/1999).

Soil map digitising by J. Farrell (1993/1994).
G.I.S. by A. Large and T. Davidson (1998/1999).
Map design and layout by T. Davidson (1999).

Base map data supplied by Land Information Services, Department of Primary Industries Water and Environment, Tasmania.

Contour interval: 50 metres

Universal Transverse Mercator Projection



Map Reliability
The original map was compiled from aerial photographs taken in 1948. Due to the inadequacy of ground control, co-ordinates of points read from this map are liable to appreciable error.

SCALE 1:100000

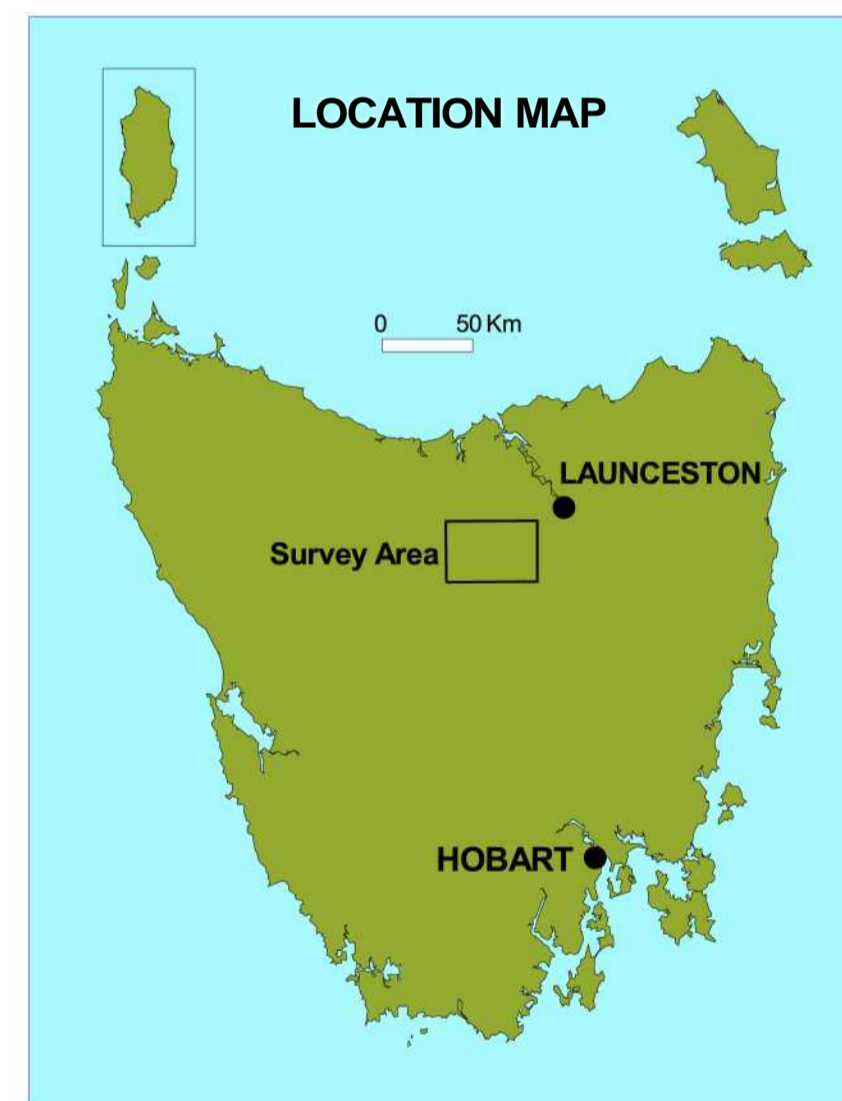


- Laboratory reference sites for identified dominant soils
- Type profiles for associated minor soils

- Soil boundaries
- Well defined
 - Interpreted from air photos

SOIL LEGEND

MAP UNIT	MAP UNIT CONCEPT	AUSTRALIAN SOIL CLASSIFICATION FOR DOMINANT SOIL	GREAT SOIL GROUP FOR DOMINANT SOIL	MAP UNIT	MAP UNIT CONCEPT	AUSTRALIAN SOIL CLASSIFICATION FOR DOMINANT SOIL	GREAT SOIL GROUP FOR DOMINANT SOIL
SOILS OF THE PLATEAU TOP							
Lw	Liawenee Association Soils developed on Jurassic dolerite bedrock and colluvium on rolling to very steep (10-100%) land. Rock outcrop is frequent and humus rich deposits occur in depressions/drainage lines.	Ferrosol	Red podzolic soil, krasnozem	Wk	Woodstock Soils above Tertiary sediments on flat to undulating (0-10%) relic lake beds or terraces.	Kurosol	Lateritic podzolic soil
SOILS OF THE UPPER SLOPES OF THE TIERS ESCARPMENT							
M1	Miscellaneous Soils 1 Soils developed on Jurassic dolerite bedrock and colluvium on rolling to very steep (10-100%) land. Rock outcrop is frequent.	Ferrosol	Red podzolic soil, krasnozem	Cs	Cressy Soils developed from alluvium derived from the Woodstock and Brickendon surfaces in valley flats and depressions.	Dermosol	Lateritic podzolic soil
M1-Qu	Miscellaneous Soils 1 - Quamby Complex As for M1 with Qu soils on Permian mudstone.	Ferrosol	Red podzolic soil, krasnozem	Bk	Brickendon Soils developed on flat to gently undulating (0-3%) river terraces.	Chromosol	Lateritic podzolic soil
Lf	Lifey Association Soils developed on soilfluction deposits derived from Triassic sandstones on the upper steep (32-56%) slopes of the Western Tiers escarpment.	Kandosol	Yellow earth	Hg	Hagley Soils developed from basaltic alluvium on gently undulating (3-10%) rises.	No data available	No data available
SOILS OF THE LOWER SLOPES OF THE TIERS ESCARPMENT, AND OTHER LOW HILLS							
Qu	Quamby Association Soils on Permian mudstone on rolling to steep (10-56%) land.	Dermosol	Grey earth	Br	Brumby Soils developed on alluvium overlying Tertiary clays on flat to gently undulating (0-3%) river terraces.	Sodosol	Solodized solonetz, solodic soil
Bl	Blessington Association Soils developed on Triassic sandstone on rolling to steep (10-56%) land.	Sodosol	Yellow podzolic soil, solodic soil	Br-Ca	Brumby - Canola Complex As for Br with Canola soils on the lower floodplain level.	Sodosol	Solodized solonetz, solodic soil
Ea	Eastfield Association Soils developed on dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Sodosol	Grey podzolic soil, brown podzolic soil	Ca	Canola Soils developed on alluvium on flat to gently undulating (0-3%) flood plains, valley flats and depressions.	Vertosol	Black earth, wiesenboden, chernozem
Ea-Ar	Eastfield-Archer Complex As for Ea with Archer soils.	Sodosol	Grey podzolic soil, brown podzolic soil	Kb	Kinburn Soils developed from alluvium derived from the Cressy surface of the Launceston basin.	No data available	No data available
Ea-Wk	Eastfield-Woodstock Complex As for Ea with Woodstock soils on relic river terraces.	Sodosol	Grey podzolic soil, brown podzolic soil	Gl	Glen Soils on gently undulating to rolling (3-32%) alluvial fans.	Hydrosol	Yellow podzolic soil, gleyed podzolic soil
M2	Miscellaneous Soils 2 Soils on Cambrian 8s Precambrian basic volcanic rocks and phyllite on rolling to very steep (>56%) land.	Dermosol	Red podzolic soil, yellow podzolic soil	Gl-Qu	Glen-Quamby Complex As for Gl with Quamby soils on Permian mudstone.	Hydrosol	Yellow podzolic soil, gleyed podzolic soil
DI	Deloraine Association Red clayey soils developed on Tertiary basalt on undulating low hills (3-10%).	Ferrosol	Krasnozem	M4	Miscellaneous Soils 4 Soils developed on alluvium, glacial deposits, windblown sands and clays and fan deposits on the Diary plains and Meander Valley.	No data available	No data available
DILv	Deloraine Lateritic variant Deeply weathered soils of the Deloraine Association.	Ferrosol	Lateritic krasnozem	M5	Miscellaneous Soils 5 Soils developed on alluvium derived from Quamby Brook.	No data available	No data available
Ar	Archer Association Deep red or brown rocky clayey soils developed on Jurassic dolerite with a moderately undulating (10-32%) hillslopes.	Ferrosol	Krasnozem	M6	Miscellaneous Soils 6 Soils developed on alluvium derived from the Launceston Tertiary Basin and Cluan Tiers.	No data available	No data available
ArLv	Archer Lateritic variant Deeply weathered soils of the Archer soil Association.	Ferrosol	Lateritic krasnozem	SOILS ON AEOLIAN DEPOSITS			
Ar-M1	Archer-Miscellaneous Soils 1 Complex As for Ar with Miscellaneous Soil 1 on Jurassic dolerite bedrock and colluvium.	Ferrosol	Krasnozem	Ps	Panshanger Soils on loose, windblown sand on gently undulating to rolling (3-32%) dunes and flanks of dolerite hill slopes.	Tenosol	Siliceous sand



RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

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1:100000

