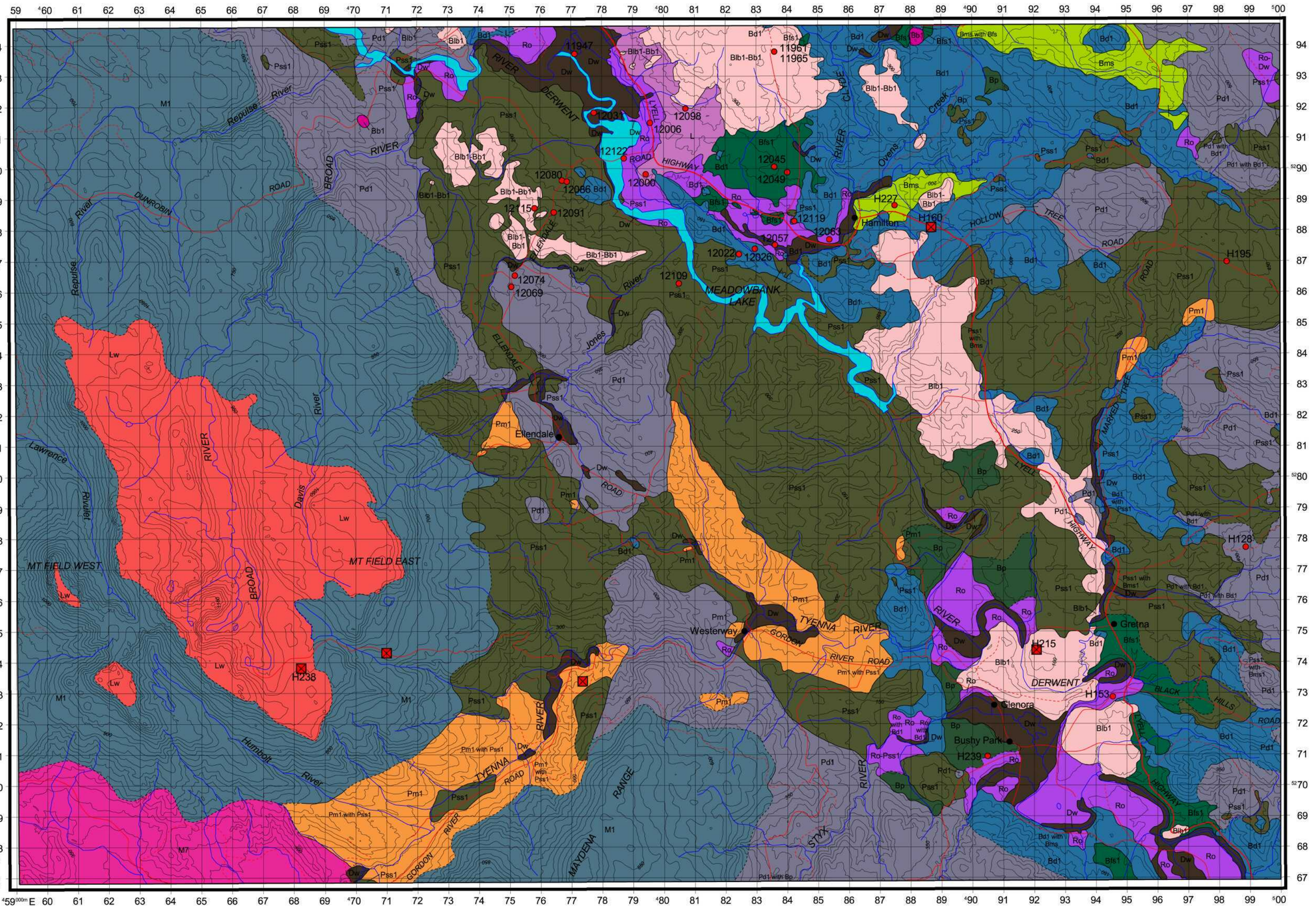
RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

ELLENDALE



Map Reliability

Compiled from aerial photographs by the Division of Soils, C.S.I.R.O., Hobart, based on a slotted template assembly by the Division of National Mapping, Department of National Development, Canberra, ACT. Date of photography is 1946-47. Detail in the Western Section is revised from maps and aerial photographs supplied by Australian Newsprint Mills Ltd. The date of this photography is January 1957. At the time of the survey no contour data was available.

The original data was in Transverse Mercator Projection, with measurements in yards and elevation in feet. The map was subsequently converted to AMG via an undocumented procedure. Some soil boundaries and soil survey sites digitised from the original CSIRO reconnaissance soil maps contain appreciable error inherent from the source maps.

SCALE 1:100000

2 0 2 4 6 Km

N

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

Soil Boundaries

- Well defined
- Interpreted from air photos

MAP USERS NOTE

The information on this map is based on the original field work of G.M Dimmock, 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:l 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 G.M Dimmock
Updated by S. Spanswick & D. Kidd

Refer to this map and the accompanying report as:
Spanswick S. & D. Kidd, (2000) Revised Ellendale Reconnaissance Soil Map of Tasmania. Department of Primary Industry Water & Environment.

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Acknowledgments

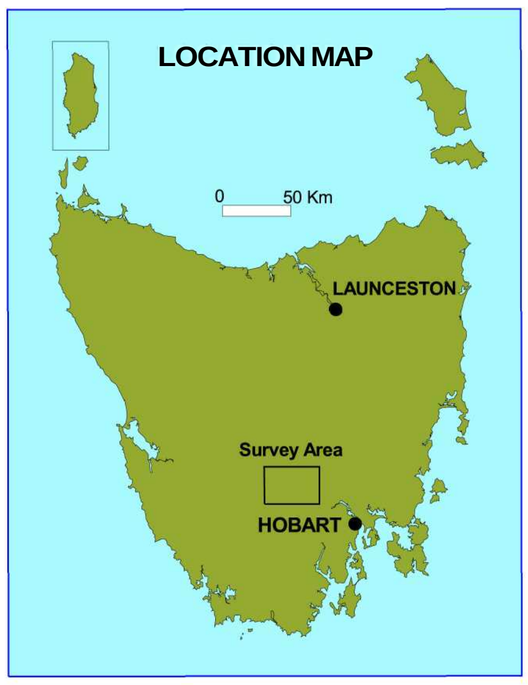
Soils surveyed by G.M Dimmock, (1961). CSIRO Division of Soils, Adelaide.

Soil data correlated by S. Spanswick and D. Kidd (2000).
Soil map digitised by J. Farrell (1993/1994).
G.I.S by T. Davidson (2000).
Map design and layout by T. Davidson (2000).

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

Contour interval: 50 metres

Projection: Universal Transverse Mercator



SOIL LEGEND

MAP UNIT		OLD CSIRO CODE	MAP UNIT CONCEPT	AUSTRALIAN SOIL CLASSIFICATION FOR DOMINANT SOIL	GREAT SOIL GROUP FOR DOMINANT SOIL	SOIL PROFILE CLASS FOR DOMINANT SOIL
SOILS OF THE PLATEAU TOP						
Lw	Liawenee Association	*YBs-HMP*	Wel1 drained stony yellow-brown 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 with co-dominant Organosols	Ked podzolic, krasnozem with co-dominant acid peat	Yellow-Brown Soils on Solifluction Deposits SPC; High Moor Peat SPC
SOILS OF THE UPPER MOUNTAIN SLOPES						
M1	Miscellaneous Soils 1	IBs	Well drained stony yellow-brown soils developed on Jurassic dolerite bedrock and colluvium on rolling to very steep *(10-100%)* land Rock outcrop is frequent.	Ferrosol	Krasnozem, red podzolic Solifluction	Yellow-Brown Soils on Deposits SPC
SOILS OF THE LOWER MOUNTAIN SLOPE, AND OTHER LOW HILLS						
Blb1	Black Soils on Basalt 1	Blb	Moderate to imperfectly drained black cracking soils developed on Tertiary basalt bedrock and colluvium on low undulating (3-10%) plateaux.	Dermosol	Prairie soil, black earth	Sorell SPC
Blb1-Bb1	Black Soils on Basalt 1 Brown Soils cm Basalt 1 Complex	*Blb-Bb*	As for Blbl with brown stony soils on the moderate to steep plateau slopes.	Dermosol	Prairie soil, black earth	Sorell SPC
Bb1	Brown Soils on Basalt 1	Bb	Moderate to well drained brown stony soils developed on Tertiary basalt bedrock and colluvium on rolling to steep (10-56%) land	Chromosol	Non calcic brown soil	Chiltern SPC
Pd1	Podzolic Soils on Dolerite 1	*Pd*	Imperfectly drained texture contrast soils developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Chromosol	Grey-brown podzolic	Eastfield SPC
Bd1	Brown Soils on Dolerite 1	*Bd.*	Moderately well drained brown soil developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Dermosol	Non calcic brown soil	Tea Tree SPC
Pm1	Podzolic Soils on Mudstone 1	Pm	Poor to imperfectly drained grey brown texture contrast soils developed on Permian mudstone bedrock and colluvium *on* undulating to rolling (3-32%) land. Rainfall <750mm,	Kurosol	Grey brown podzolic, soloths	Forcett SPC

MAP UNIT		OLD CSIRO CODE	MAP UNIT CONCEPT	AUSTRALIAN SOIL CLASSIFICATION FOB DOMINANT SOIL	GREAT SOIL GROUP FOR DOMINANT SOIL	SOIL PROFILE CLASS FOR DOMINANT SOIL
SOILS Of THE LOWER MOUNTAIN SLOPE, AND OTHER LOW HILLS (CONT)						
Pss1	Podzol and Podzolic Soils on Sandstone 1	Pss	Imperfectly drained texture contrast soils and well drained deep sands developed on Triassic sandstone bedrock and colluvium on undulating to rolling (3-32%) land.	Kurosol with co-dominant Podosol	Grey-brown podzolic with co-dominant podzol	Ellendale SPC &. Dunrobin SPC
Bms	Brown Soils on Micaceous Sandstone	*Bms*	Undefined brown soils developed on Triassic micaceous sandstone bedrock and colluvium, on undulating to rolling land (3-32%) land.	Insufficient data	Insufficient data	Insufficient data
Bfs1	Brown Soils on Feldspathic Sandstone 1	*Bfs*	Imperfectly drained grey-brown soils developed on Triassic feldspathic sandstone bedrock and colluvium on undulating to railing land (3-32%) land,	Chromosol	Grey-brown podzolic	Langloh SPC
L	Lateritic Soils	L	Undefined soils developed on deeply weathered sediments.	No data available	No data available	No data available
MISCELLANEOUS SOILS ON ORDOVICIAN AND PRECAMBRAIN ROCKS						
M7	Miscellaneous Soils 7	*M*	Miscellaneous Soils on Ordovician and Precambrian Rocks,	No data available	No data available	No data available
SOILS OF RIVER TERRACES, FLOODPLAINS & ALLUVIAL FANS						
Bp	Bushy Park Association	*A1*	Soils developed on Oat to gently undulating (0-3%) river terraces.	Chromosol	Lateritic podzolic	Bushy Park SPC
Ro	Rotherwood Association	A2	Soils developed on flat *to* gently undulating (0-3%) river terraces.	Hydrosol	Grey brown podzolic	Rotherwood SPC
Ro-Pss1	Rotherwood Association - Podzolic & Podzol Soils on Sandstone 1 Complex	A2-Pss	As for Ro with Pss1 soils on undulating to rolling (3-32%) sandstone slopes.	Hydrosol	Grey-brown podzolic	Rotherwood SPC
Ro-Dw	Rotherwood Association - Derwent Association Complex	*A2-A3*	As for Ro with black soils along drainage lines.	Hydrosol	Grey-brown podzolic	Rotherwood SPC
Dw	Derwent Association	*A3*	Moderately well drained black gradational soils developed on alluvium on flat to gently undulating (0-3%) floodplains, valley flats and depressions.	Dermosol	Prairie Soil	Derwent. SPC

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ELLENDALE

TASMANIA

1:100000

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Natural Heritage Trust
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