

# RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

## HOBART

### MAP USERS NOTE

The information on this map is based on the original field work of J. Loveday, 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 J. Loveday  
Updated by S. Spanswick & D. Kidd

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

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### Acknowledgments

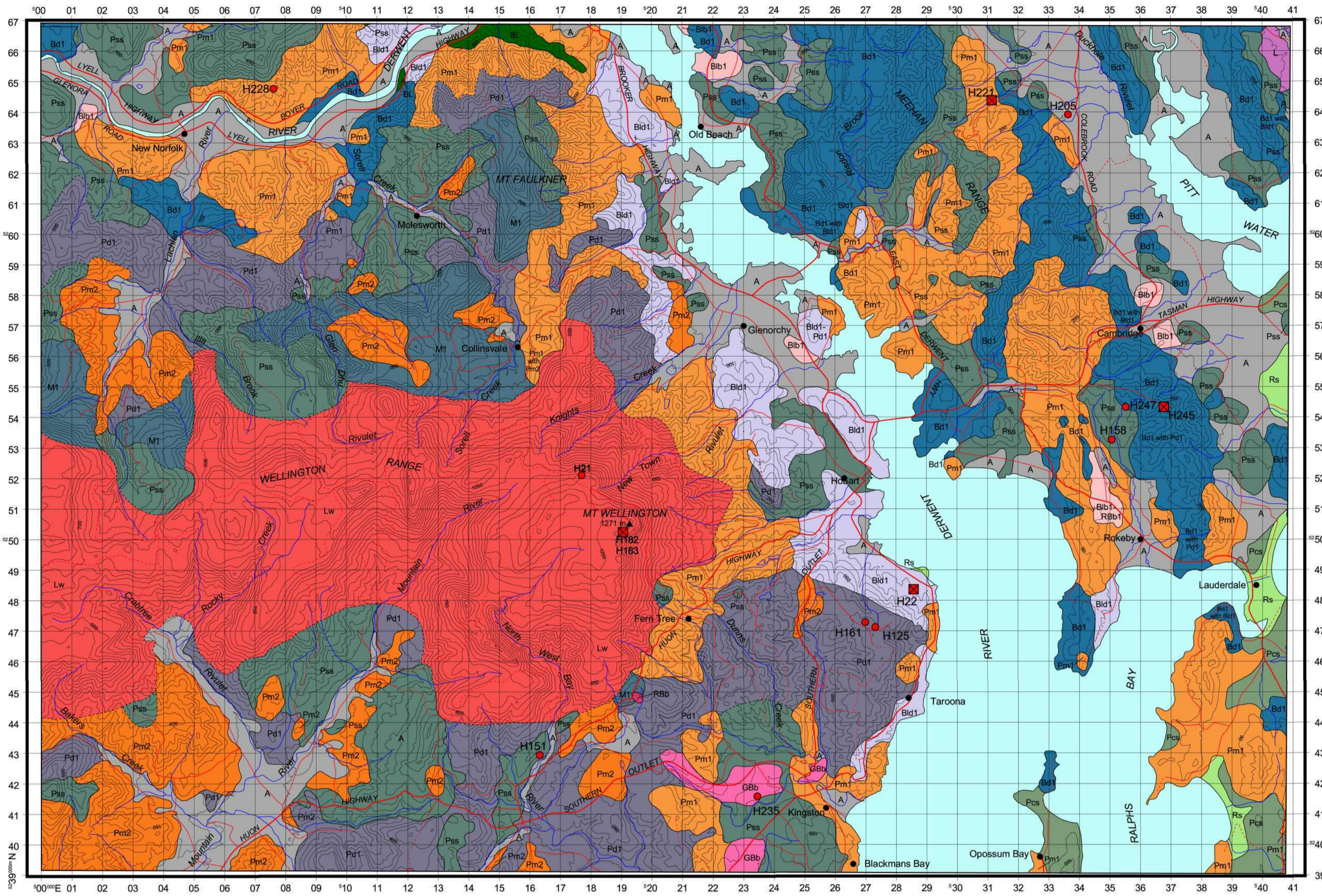
Soils surveyed by J. Loveday, (1955). CSIRO Division of Soils, Adelaide.

Soil data correlated by S. Spanswick and D. Kidd (1999/2000).  
Soil map digitised by J. Farrell (1993/1994).  
G.I.S by A. Large and T. Davidson (1998/1999).  
Map design and layout by T. Davidson (1999/2000).

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

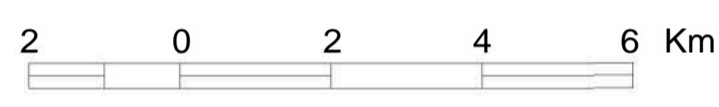
Contour interval: 50 metres

Projection: Universal Transverse Mercator



**Map Reliability**  
The map framework depends entirely on the Second Order Triangulation, performed by the 3rd. Field Survey Company, based on data 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.

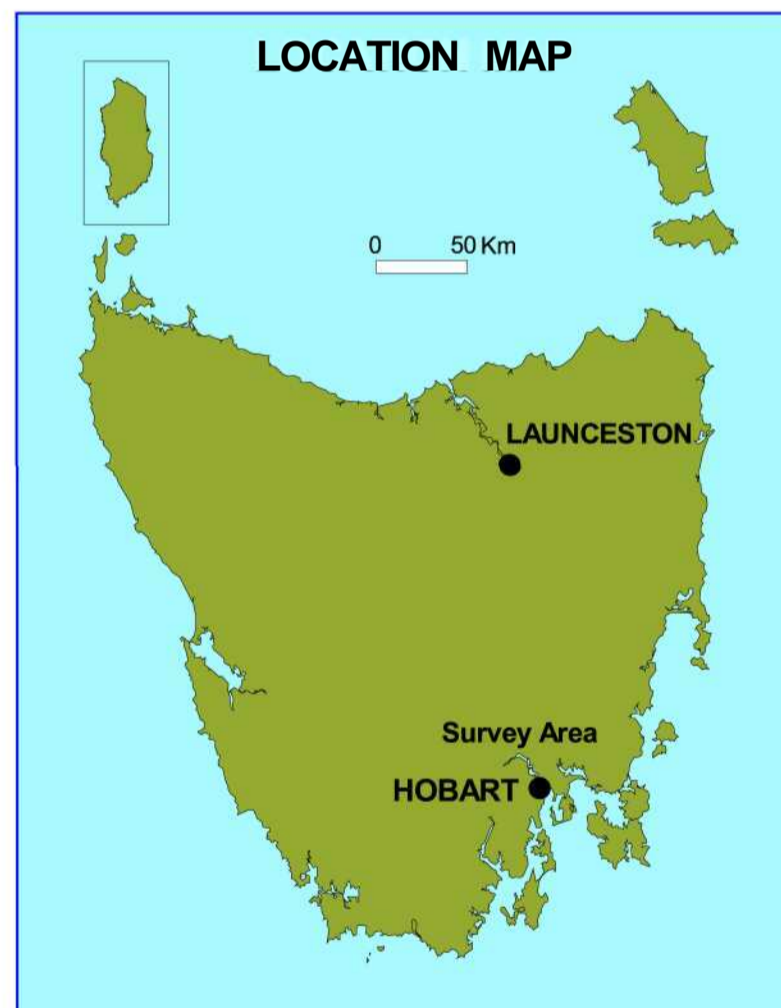
SCALE 1:100000



- 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	OLD CSIRO CODE	MAP UNIT CONCEPT	AUSTRALIAN SOIL CLASSIFICATION FOR DOMINANT SOIL	GREAT SOIL GROUP FOR DOMINANT SOIL	SOIL PROFILE CLASS FOR DOMINANT SOIL	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			
<b>SOILS ON BASALT</b>														
B1b1	Black Soils on Basalt 1	B1b	Moderate to imperfectly drained black cracking soils developed on Tertiary basalt bedrock and colluvium on low undulating (3-10%) land.	Vertosol	Prairie soil, black earth	Sorell SPC	M1	Miscellaneous Soils 1	YBs	Stony well drained 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	Yellow Brown Soils on Solifluction Deposits SPC, High Moor Peat SPC	
B1b1-RBb1	Black Soils on Basalt 1-Red Brown Soils on Basalt 1 Complex	B1b - RBb	As for B1b1 with RBb1 soils on the gentle slopes of ridges.	Vertosol	Prairie soil, black earth	Sorell SPC								
RBb	Red Brown Soils on Basalt 1	RBb	Undefined soils developed on basalt bedrock and colluvium on undulating to rolling (3-32%) land.	No data available	No data available	No data available	Lw	Liawenne Association	YBs-HMP	Stony well drained 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 Oganosols	Red podzolic, krasnozem with co-dominant acid peat	Yellow Brown Soils on Solifluction Deposits SPC, High Moor Peat SPC	
GBb	Grey Brown Soils on Basalt	RBb-B1b	Imperfect to poorly drained grey brown soils developed on Tertiary basalt bedrock and colluvium on undulating to rolling (3-32%) land.	Dermosol	Brown clay, grey clay	Insufficient data								
<b>SOILS ON DOLERITE</b>														
B1d1	Black Soils on Dolerite 1	B1d	Moderately well drained black soils developed on Jurassic dolerite bedrock and colluvium on low undulating (3-10%) land.	Dermosol	Black earth, prairie soil	Belmont SPC	Pss	Podzol and Podzolic Soils on Sandstone	Pss	Undefined soil developed on Tertiary sandstone bedrock and colluvium on undulating to rolling (3-32%) land	Nodata available	No data available	No data available	
B1d1-Pd1	Black Soils on Dolerite 1 - Podzolic Soils on Dolerite 1	B1d-Pd	As for B1d1 with imperfectly drained texture contrast soils on the steeper dolerite slopes.	Dermosol	Black earth, prairie soil	Belmont 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						**Podosol	**Pxdzol	Insufficient data
Bd1	Brown Soils on Dolerite 1	Bd	Undefined brown soil developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Dermosol	Non Calcic Brown Soil	Tea Tree SPC								
<b>SOILS ON LIMESTONE</b>														
Bl	Brown Soils on Limestone	Bl	Undefined soils developed on Permian limestone bedrock on undulating to rolling (3-32%) land.	No data available	No data available	No data available								
<b>SOILS ON MUDSTONE</b>														
Pm1	Podzolic Soils on Mudstone 1	Pm	Poor to imperfectly drained grey brown texture contrast soils developed on Permian siltstone bedrock and colluvium on undulating to rolling (3-32%) land. Rainfall <750mm.	Kurosol	Grey-brown podzolic, soloth	Forcette SPC								
Pm2	Podzolic Soils on Mudstone 2	Pm	Undefined soils developed on siltstone interbedded with mudstone, sandstone and shale in areas of >750mm rainfall.	Insufficient data	Insufficient data	Insufficient data								
<b>SOILS ON SOLIFLUNCTION DEPOSITS</b>														
<b>SOILS ON SOLIFLUNCTION DEPOSITS &amp; ORGANIC DEPOSITS</b>														
<b>SOILS ON SANDSTONE</b>														
<b>SOILS ON COVER SANDS</b>														
<b>SOILS ON RECENT SAND</b>														
<b>SOILS ON RECENT ALLUVIUM</b>														
<b>LATERITIC SOILS</b>														
** Classification based on available literature														



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1:100000

