

BUCKLAND

MAP USERS NOTE

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

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

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Acknowledgments

Soils surveyed by J. Loveday & G. Dimmock, (1958). CSIRO Division of Soils, Adelaide.

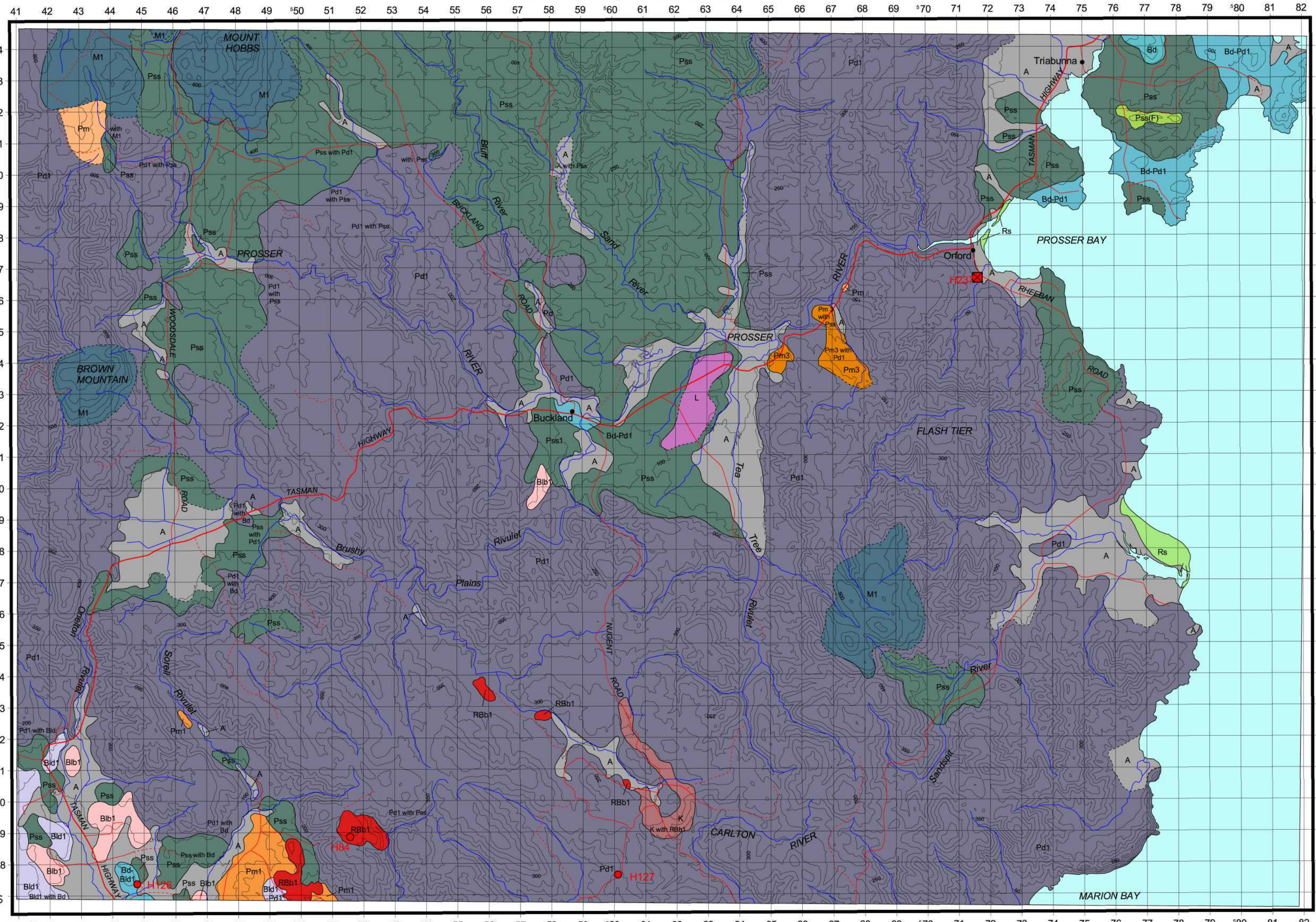
Soil data correlated by S. Spanswick and D. Kidd (1999/2000).

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 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.

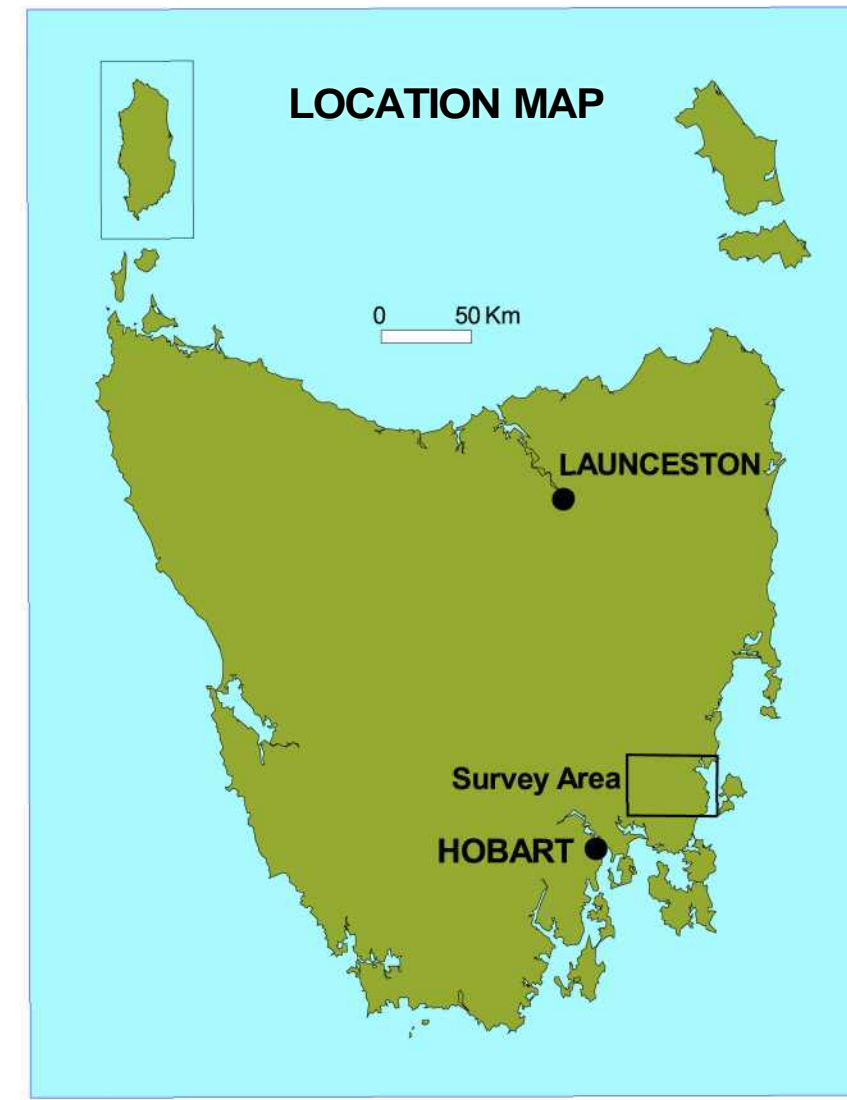
SCALE 1:100000



- Laboratory reference sites for identified dominant soils
- Type profiles for minor soils
- Soil boundaries
 - Well defined
 - - - - - Interpreted from air photos

SOIL LEGEND

MAP UNIT	OLD CSIRO CODE	MAP UNIT CONCEPT DOMINANT	AUSTRALIAN SOIL CLASSIFICATION FOR 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			
SOILS ON BASALT						SOILS ON MUDSTONE (CONT.)								
Bib1	Bib1	Black Soils on Basalt 1	Bib	Moderate to imperfectly drained black cracking soils developed on Tertiary basalt bedrock and colluvium on low undulating (3-10%) land.	Dermosol	Prairie soil, black earth	Sorell 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, soloth	Forcett SPC
Rbb1	Rbb1	Red Brown Soils on Basalt 1	Rbb	Well drained shallow red brown friable soils developed on Tertiary basalt bedrock and colluvium on the gentle slopes (3-10%) of ridge tops.	Ferrosol	Prairie soil, chocolate soil	Stoneleigh SPC	Pm3	Podzolic Soils on Mudstone 3	Pm	Undefined soils developed on Permian glacial deposits on undulating (3-10%) land in areas of < 750mm rainfall.	Insufficient data	Insufficient data	Insufficient data
K	K	Krasnozems & Hydromorphic Soils on Basalt	K	Well drained deep red friable strongly structured soils developed on Tertiary basalt bedrock and colluvium on undulating to rolling (3-32%) land. With poorly drained soils in depressions.	*Ferrosol	* Krasnozems	Insufficient data	SOILS ON SANDSTONE						
SOILS ON DOLERITE						RECENT ALLUVIAL SOILS								
Bld1	Bld1	Black Soils on Dolerite 1	Bld	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	A	Undifferentiated Alluvial Soils	A	Undifferentiated soils developed on Quaternary alluvium.	No data available	No data available	No data available
Bld1-Pd1	Bld1-Pd1	Black Soils on Dolerite 1 - Podzolic Soils on Dolerite 1 Complex	Bld-Pd	As for Bld1 with Pd1 soils on the steeper (10-56%) slopes.	Dermosol	Black earth, prairie soil	Belmont SPC	SOILS ON SOLIFLUCTION DEPOSITS						
Pd1	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	M1	Miscellaneous Soils 1	YBs	Stony well drained yellow-brown soils developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Ferrosol	Krasnozems, red podzolic	Yellow Brown Soils on Solifluction Deposits SPC
Bd	Bd	Brown Soils on Dolerite	Bd	Undefined brown soils developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Insufficient data	Insufficient data	Insufficient data	SOILS ON RECENT SAND						
Bd-Bld1	Bd-Bld1	Brown Soils on Dolerite - Black Soils on Dolerite 1 Complex	Bd-Bld	As for Bd with Bld1 soils on the lower undulating (3-10%) slopes.	Insufficient data	Insufficient data	Insufficient data	Rs	Soils of Recent Sands & Shell beds	Rs	Undefined soils developed on Quaternary sands of coastal beaches.	**Rudosols, Tenosols	Insufficient data	Insufficient data
Bd-Pd1	Bd-Pd1	Brown Soils on Dolerite - Podzolic Soils on Dolerite 1 Complex	Bd-Pd	As for Bd with Pd1 soils on the steeper slopes.	Insufficient data	Insufficient data	Insufficient data	LATERITIC SOILS						
L	L	Lateritic Soils	L	Undefined soils developed on deeply weathered sediments.	No data available	No data available	No data available	*Data taken from type profiles identified by Loveday (1957)						
SOILS ON MUDSTONE						** Classification based on available literature								
Pm	Pm	Podzolic Soils on Mudstone	Pm	Undefined soils developed on Permian mudstone bedrock and colluvium on undulating to rolling (3-32%) land.	No data available	No data available	No data available							



RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

BUCKLAND

TASMANIA

1:100000

Tasmania
DEPARTMENT OF
PRIMARY INDUSTRIES,
WATER and ENVIRONMENT

Natural Heritage Trust
Helping Communities Helping Australia