

SORELL

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

Refer to this map and the accompanying report as:
Spanswick S., (1999) Revised Sorell Reconnaissance Soil Map of Tasmania. Department of Primary Industry Water & Environment.

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Acknowledgments

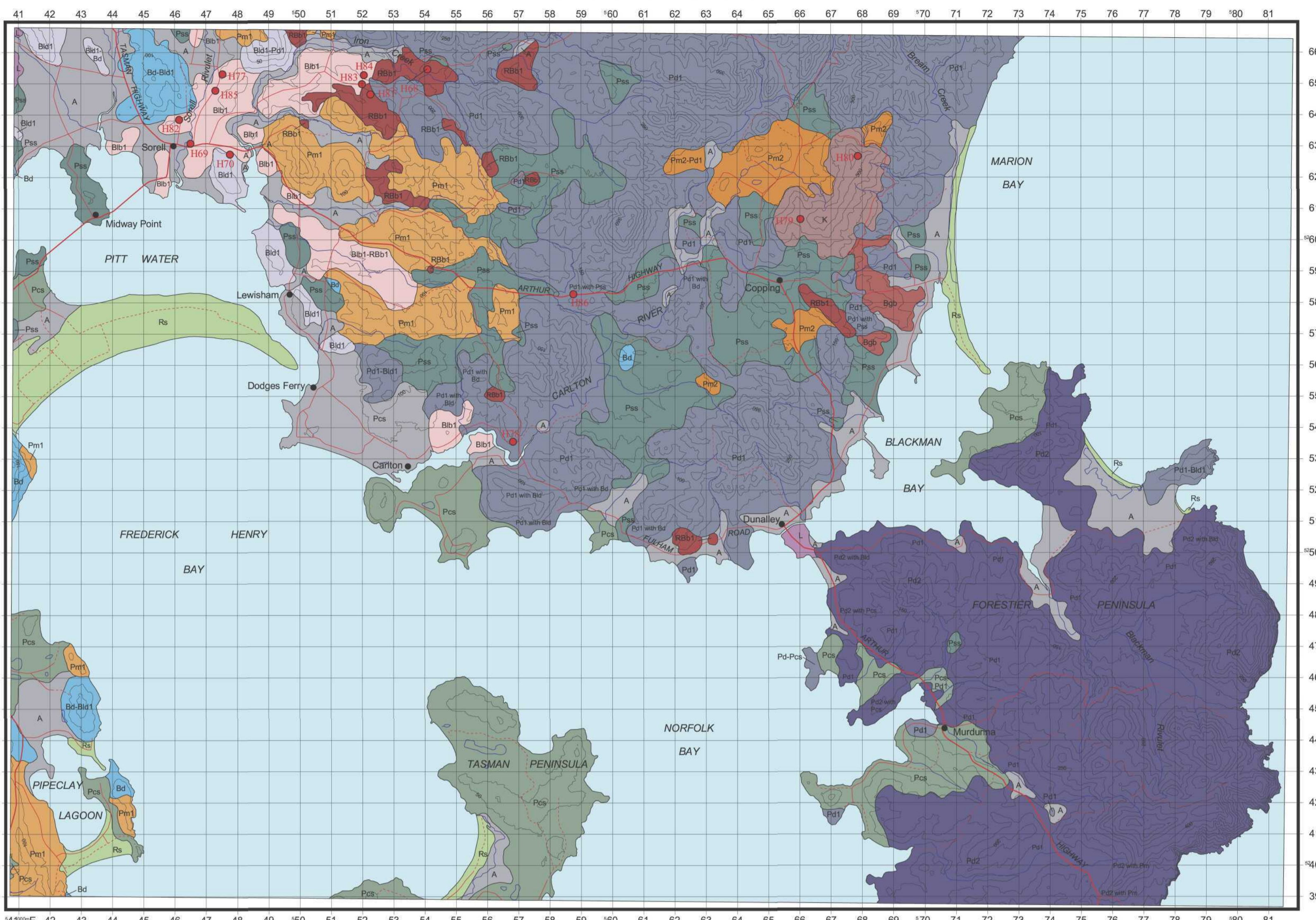
Soils surveyed by J. Loveday, (1955). CSIRO Division of Soils, Adelaide.

Soil data correlated by S. Spanswick (1999).
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).

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 GROUPS 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 GROUPS FOR DOMINANT SOIL	SOIL PROFILE CLASS FOR DOMINANT SOIL
SOILS ON BASALT											
Bibl	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	Bd-Bld1	Bd-Bld	As for Bd with Bld soils on the lower undulating (3-10%) slopes.	Insufficient data	Insufficient data	Insufficient data
Bib1-RBb1	Bib - RBb	As for Bibl with RBb1 soils on the gentle slopes of ridges.	Dermosol	Prairie soil, black earth	Sorell SPC	SOILS ON MUDSTONE					
Bgb	Bib	Moderate to imperfectly drained black cracking soils with co-dominant well drained dark grey brown soils developed on Tertiary basalt bedrock and colluvium on undulating to rolling (3-32%) land.	Dermosol with unclassified co-dominant soil	As for Bib1 with undefined co-dominant soil	Sorell SPC, undefined co-dominant soil	Pm1	Pm	Poor to imperfectly drained grey brown texture contrast soils developed on Permian mudstone and mudstone bedrock and colluvium on undulating to rolling (3-32%) land. Rainfall <750mm.	Kurosol	Grey-brown podzolic, soloth	Forcette SPC
RBb1	RBb	Well drained shallow red brown friable soils developed on Tertiary basalt bedrock and colluvium on the gentle (3-10%) slopes of ridge tops.	Ferrosol	Prairie soil, chocolate soil	Stoneleigh SPC	Pm2	Pm	Undefined soils developed on Permian mudstone and mudstone interbedded with sandstone and shale in areas of >750mm of rainfall.	Insufficient data	Insufficient data	Insufficient data
K	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	*Krasnozem	Insufficient data	Pm2-Pd1	Pm-Pd	As for Pm2 with Pd1 soils on Jurassic dolerite bedrock and colluvium.	Insufficient data	Insufficient data	Insufficient data
SOILS ON SANDSTONE											
Pss	Pss	Podzolan Podzolic Soils on Sandstone	Pss	Undefined soil developed on Triassic sandstone bedrock and colluvium on undulating to rolling (3-32%) land.	No data available	SOILS ON COVER SANDS					
SOILS ON DOLOERITE											
Bld1	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	Pcs	PCS	Undefined soils developed on Quaternary wind blown sand on gently undulating to rolling (3-32%) dolerite, sandstone, siltstone and mudstone hillslopes*	**Podosol	**Podzol	Insufficient data
Bld1-Bd	Bld-Bd	As for Bld1 with Bd soils on the steeper (10-56%) slopes.	Dermosol	Black earth, prairie soil	Belmont SPC	Pcs-Pd1	Pcs-Pd	As for PCS with Pd1 soils on Jurassic dolerite bedrock and colluvium.	**Podosol	**Podzol	Insufficient data
Bld1-Pd1	Bld-Pd	As for Bld1 with Pd1 soils on the steeper (10-56%) slopes.	Dermosol	Black earth, prairie soil	Belmont SPC	SOILS ON RECENT SAND					
Pd1	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	Rs	Rs	Undefined soils developed on Quaternary sands of coastal beaches.	**Rudosols, tenosols	Insufficient data	Insufficient data
Pd1-Bld1	Pd-Bld	As for Pd1 with Bld1 soils on the lower undulating (3-10%) slopes.	Chromosol	Grey-brown podzolic	Eastfield SPC	SOILS ON RECENT ALLUVIUM					
Pd1-Pcs	Pd-Pcs	As for Pd1 with Pcs soils on sand dunes and sandsheets.	Chromosol	Grey-brown podzolic	Eastfield SPC	A	A	Undifferentiated soils developed on Quaternary alluvium.	No data available	No data available	No data available
Pd2	Pd	Undefined soils developed on Quaternary windblown sand, Jurassic dolerite and Permian siltstone and mudstone on rolling to steep (10-56%) land.	Insufficient data	Insufficient data	Insufficient data	LATERITIC SOILS					
Bd	Bd	Undefined brown soil developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Insufficient data	Insufficient data	Insufficient data	L	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)
** Classification based on available literature



RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

SORELL

TASMANIA

1:100000

