

RECONNAISSANCE SOIL MAP SERIES OF TASMANIA

OATLANDS

MAP USERS NOTE

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

Refer to this map and the accompanying report as:
S.B. Spanswick & D. Kidd, (2001) Revised Oatlands Reconnaissance Soil Map of Tasmania. Department of Primary Industries, Water & Environment.

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Acknowledgments

Soils surveyed by J.D. Cowie, (1958). CSIRO Division of Soils, Adelaide.

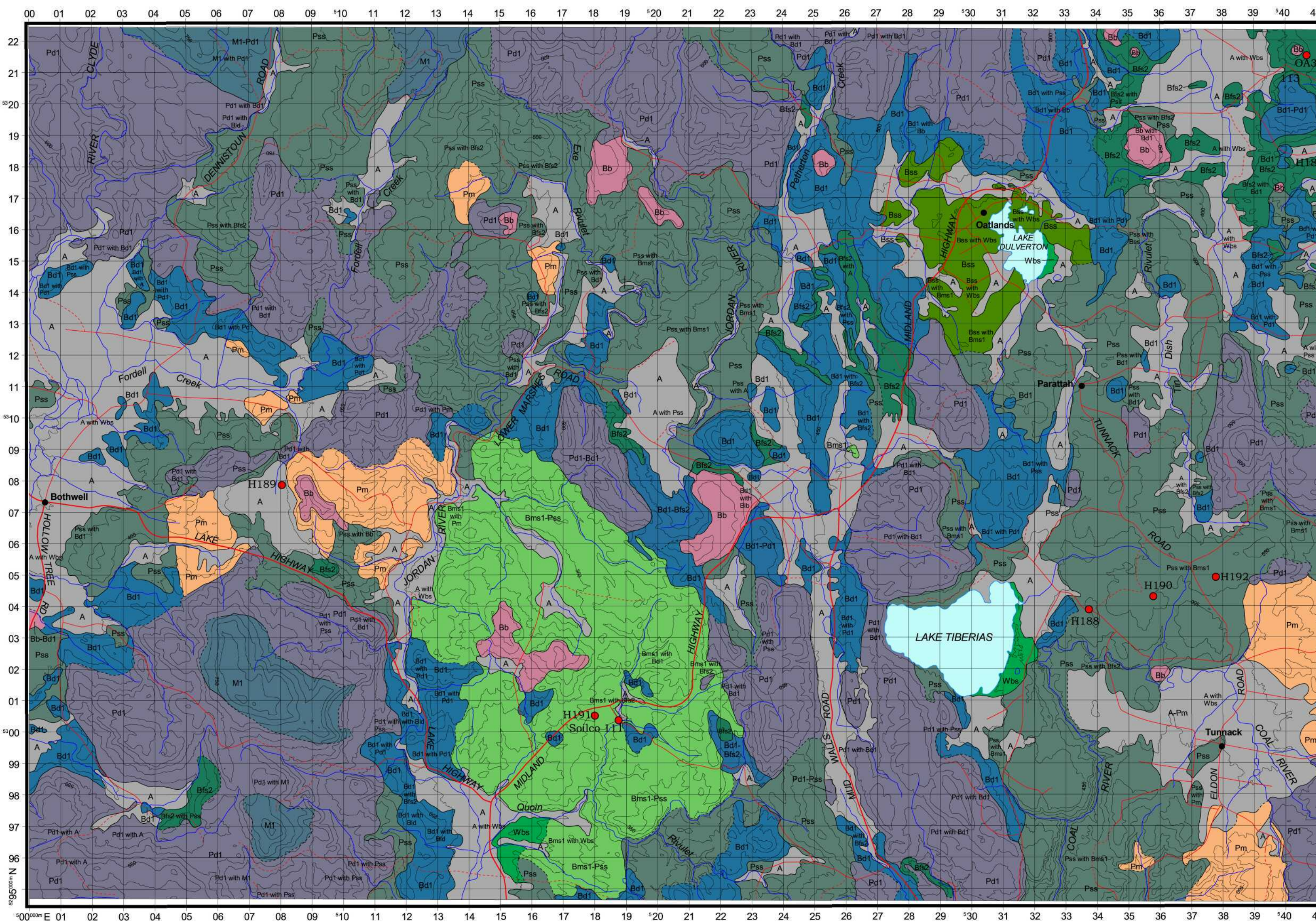
Soil data correlated by S.B. Spanswick and D. Kidd (2000/2001).

Soil map digitised by J. Parrel! (1993/1994).
G.I.S by A. Large and T. Davidson (1998/1999).
Map design and layout by T. Davidson (2000/2001).

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

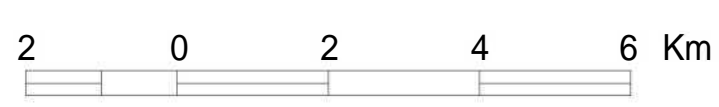
Contour interval: 50 metres

Projection: Universal Transverse Mercator



Map Reliability
The map framework was compiled from aerial photographs (taken in 1958-59) and slotted template assembly by the Division of National Mapping, Dept. of National Development, 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

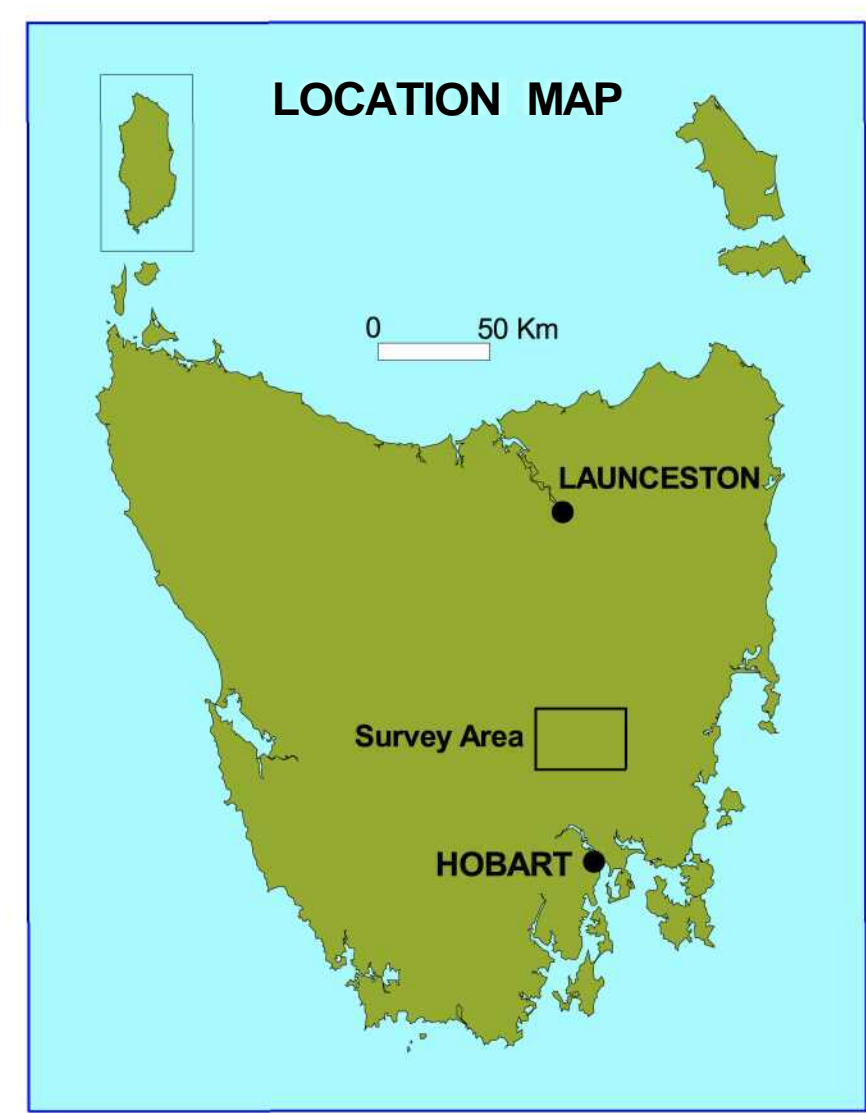


- Laboratory reference site for identified dominant soils
Site OA34 - CSIRO observation site with no laboratory data
Site SOILCO 111 - DPIWE site description with no laboratory data
- Type profiles for associated minor soils

- 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
SOILS ON DOLOERITE						SOILS ON MUDSTONE					
M1	YBs	Well drained stony yellow-brown or red-brown soils developed on Jurassic dolerite bedrock and colluvium on rolling to very steep (10-100%) land. Rock outcrop is frequent.	Ferrosol	Krasnozems, red podzolic	Yellow Brown Soils on Solifluction Deposits SPC	Pm	Pm	Soils developed on Permian siltstone and mudstone bedrock, colluvium and alluvium on undulating to rolling (3-32%) land.	Insufficient data	Insufficient data	Insufficient data
M1-Pd1	YBs-Pd	As for M1 with imperfectly drained texture contrast 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	Pss	Pss	Texture contrast soils and well drained deep sands developed on Triassic sandstone bedrock and colluvium on undulating to rolling (3-32%) land.	Insufficient data	Insufficient data	Insufficient data
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	Bms1	Bms	Brown imperfectly drained texture contrast soils developed on Triassic micaceous sandstone bedrock and colluvium on undulating to rolling land (3-32%) land.	Chromosol & Sodosols	Solodic, Solodized Solonetz	Lovely Banks SPC
Pd1-Bd1	Pd-Bd	As for Pd1 soils with moderately well drained brown soils in lower rainfall areas (<635mm p.a.).	Chromosol	Grey-brown podzolic	Eastfield SPC	Bms1-Pss	Bms-Pss	As for Bms1 with texture contrast soils and deep sands on siliceous sandstone	Chromosols & Sodosols	Solodic, Solodized Solonetz	Lovely Banks SPC
Pd1-Pss	Pd-Pss	As for Pd1 soils with texture contrast soils and deep sands on Triassic siliceous sandstone.	Chromosol	Grey-brown podzolic	Eastfield SPC	Bss	Bss	Undefined brown soils developed on Triassic siliceous sandstone bedrock and colluvium on undulating to rolling land (3-32%) land.	Insufficient data	Insufficient data	Insufficient data
Bd1	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	Bfs2	Bfs	Well drained brown shallow soils developed on Triassic feldspathic sandstone bedrock and colluvium on undulating to rolling land (3-36%) land.	Kandosols & Tenosols	Lithosols	York Plains SPC
Bd1-Pd1	Bd-Pd	As for Bd1 soils with imperfectly drained grey-brown soils in areas with rainfall >635mm p.a.	Dermosol	Non-calcic brown soil	Tea Tree SPC	RECENT ALLUVIAL SOILS					
Bd1-Bfs2	Bd-Bfs	As for Bd1 soils with well drained brown shallow soils on feldspathic Sandstone.	Dermosol	Non-calcic brown soil	Tea Tree SPC	A	A	Undifferentiated soils developed on Quaternary alluvium.	Insufficient data	Insufficient data	Insufficient data
SOILS ON BASALT						RECENT WINDBLOWN SANDS					
Bb	Bb	Soils developed on Tertiary basalt bedrock and colluvium on rolling to steep (10-56%) land.	Insufficient data	Insufficient data	Insufficient data	Wbs	Wbs	Undifferentiated soils developed on windblown sand.	Insufficient data	Insufficient data	Insufficient data
Bb-Bd1	Bb-Bd	As for Bb soils with moderately well drained brown soils developed on Jurassic dolerite bedrock and colluvium on rolling to steep (10-56%) land.	Insufficient data	Insufficient data	Insufficient data						



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