

DIGITAL SOIL MAPS OF TASMANIA DATASET INVENTORY

For technical information regarding these datasets refer to the [METADATA](#)

To view the datasets, refer to the following web map link: <https://arcg.is/4PaT8>



Dataset name	Description	Spatial Resolution	Dataset Download Link
AWC_Tas_x0to5cm_predicted_mean	Available Water Content (%) at soil depth: 0-5cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
AWC_Tas_x5to15cm_predicted_mean	Available Water Content (%) at soil depth: 5-15cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
AWC_Tas_x15to30cm_predicted_mean	Available Water Content (%) at soil depth: 15-30cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
AWC_Tas_x30to60cm_predicted_mean	Available Water Content (%) at soil depth: 30-60cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
AWC_Tas_x60to100cm_predicted_mean	Available Water Content (%) at soil depth: 60-100cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
AWC_Tas_x100to200cm_predicted_mean	Available Water Content (%) at soil depth: 100-200cm	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_AvailableWaterCapacitylayers.zip
BD_Tas_x0to5cm_predicted_mean	Bulk Density at soil depth: 5-15cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
BD_Tas_x5to15cm_predicted_mean	Bulk Density at soil depth: 5-15cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
BD_Tas_x15to30cm_predicted_mean	Bulk Density at soil depth: 15-30cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
BD_Tas_x30to60cm_predicted_mean	Bulk Density at soil depth: 30-60cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
BD_Tas_x60to100cm_predicted_mean	Bulk Density at soil depth: 60-100cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
BD_Tas_x100to200cm_predicted_mean	Bulk Density at soil depth: 100-200cm. The Bulk Density - Whole Earth product (BDw) was calculated for the soil as a whole (fine and coarse texture fractions), and values are reported in units of Mg/m ³ .	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_BulkDensitylayers.zip
CF_2018_CFGT200_mean	Course Fragments >200mm diameter reported as a percentage (%) of total soil material within soil depth 0-15cm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_CoarseFragmentlayers.zip
CF_2018_CFGT60_mean	Course Fragments >60mm diameter reported as a percentage (%) of total soil material within soil depth 0-15cm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_CoarseFragmentlayers.zip
Clay_Tas_x0to5cm_mean	Clay percentage within 0-5cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Clay_Tas_x0to15cm_mean	Clay percentage within 0-15cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip

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Clay_Tas_x5to15cm_mean	Clay percentage within 5-15cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Clay_Tas_x15to30cm_mean	Clay percentage within 15-30cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Clay_Tas_x30to60cm_mean	Clay percentage within 30-60cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Clay_Tas_x60to100cm_mean	Clay percentage within 60-100cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Clay_Tas_x100to200cm_mean	Clay percentage within 100-200cm soil depth. The Clay product (CLY) is reported as a percent (%) of the <2mm fraction with a grain size of less than 2 µm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Claycontentlayers.zip
Duplex soil	Duplex soil - depth (cm) to heavy clay	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Duplexsoil.zip
EC_0to5cm	Electrical Conductivity within 0 to 5cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_0to15cm	Electrical Conductivity within 0 to 15cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_5to15cm	Electrical Conductivity within 5 to 15cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_15to30cm	Electrical Conductivity within 15 to 30cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_30to60cm	Electrical Conductivity within 30 to 60cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_60to100cm	Electrical Conductivity within 60 to 100cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
EC_100to200cm	Electrical Conductivity within 100 to 200cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitylayers.zip
ECse_x0to5cm	Electrical Conductivity (saturated extract) within 0 to 5cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x0to15cm	Electrical Conductivity (saturated extract) within 0 to 15cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x5to15cm	Electrical Conductivity (saturated extract) within 5 to 15cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x15to30cm	Electrical Conductivity (saturated extract) within 15 to 30cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x30to60cm	Electrical Conductivity (saturated extract) within 30 to 60cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x60to100cm	Electrical Conductivity (saturated extract) within 60 to 100cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip
ECse_x100to200cm	Electrical Conductivity (saturated extract) within 100 to 200cm soil depth. The Electrical Conductivity product (EC) is reported in dS/m. The samples were analysed in a 1:5 saturated paste.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ElectricalConductivitySElayers.zip

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ExCa_0to15cm	Exchangeable calcium (ppm) within 0 to 15cm soil depth.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ExchangeableCalcium.zip
ExMg_0to15cm	Exchangeable magnesium (ppm) within 0 to 15cm soil depth	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_ExchangeableMagnesium.zip
FC_0to5cm	Field capacity (θ_{fc}) within 0 to 5cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
FC_5to15cm	Field capacity (θ_{fc}) within 5 to 15cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
FC_15to30cm	Field capacity (θ_{fc}) within 15 to 30cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
FC_30to60cm	Field capacity (θ_{fc}) within 30 to 60cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
FC_60to100cm	Field capacity (θ_{fc}) within 60 to 100cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
FC_100to200cm	Field capacity (θ_{fc}) within 100 to 200cm soil depth.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_FieldCapacitylayers.zip
SOC_0to5cm	Organic carbon content (%) within 0 to 5cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_0to15cm	Organic carbon content (%) within 0 to 15cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_5to15cm	Organic carbon content (%) within 5 to 15cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_15to30cm	Organic carbon content (%) within 15 to 30cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_30to60cm	Organic carbon content (%) within 30 to 60cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_60to100cm	Organic carbon content (%) within 60 to 100cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
SOC_100to200cm	Organic carbon content (%) within 100 to 200cm soil depth. Mass fraction of carbon by weight in the < 2 mm soil material as determined by dry combustion at 900° C.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_OrganicCarbonlayers.zip
Sand_0to5cm	Sand percentage within 0-5cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Sand_5to15cm	Sand percentage within 5-15cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Sand_15to30cm	Sand percentage within 15-30cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Sand_30to60cm	Sand percentage within 30-60cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Sand_60to100cm	Sand percentage within 60-100cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Sand_100to200cm	Sand percentage within 100-200cm soil depth. The Sand product (SND) is reported as a percent (%) of the <2mm fraction with a grain size of 20 μ m to 2mm.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sandcontentlayers.zip
Silt_0to5cm	Silt percentage within 0-5cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 μ m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip
Silt_5to15cm	Silt percentage within 5-15cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 μ m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip
Silt_15to30cm	Silt percentage within 15-30cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 μ m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip

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Silt_30to60cm	Silt percentage within 30-60cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 µm.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip
Silt_60to100cm	Silt percentage within 60-100cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 µm.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip
Silt_100to200cm	Silt percentage within 100-200cm soil depth. The Silt product (SLT) is reported as a percent (%) of the <2mm fraction with a grain size between 2 - 20 µm.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Siltcontentlayers.zip
Sodic_depth	Depth to sodic layer (cm).	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Sodicdepth.zip
Soil depth	Soil depth (cm) (to rooting)	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Soildepth.zip
Soil_drainage	A grid surface delineating soil drainage classes as Very poor, Poor, Imperfect, Moderate, Well and Rapidly drained	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Soil drainage.zip
Soil_permeability	A grid surface delineating soil permeability classes as Very slow, Slow, Moderate and Highly permeable	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_Soilpermeability.zip
pH_0to5cm	A grid surface delineating soil pH (within 0-5cm depth) for land areas across Tasmania at a spatial resolution of 80m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_pHlayers.zip
pH_0to15cm	A grid surface delineating soil pH (within 0-15cm depth) for land areas across Tasmania at a spatial resolution of 30m.	30m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_pHlayers.zip
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pH_60to100cm	A grid surface delineating soil pH (within 60-100cm depth) for land areas across Tasmania at a spatial resolution of 80m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_pHlayers.zip
pH_100to200cm	A grid surface delineating soil pH (within 100-200cm depth) for land areas across Tasmania at a spatial resolution of 80m.	80m	https://spatial.dpipwe.tas.gov.au/naturalassets/www/DSM_pHlayers.zip