

Project Name: DER
Project Code: DER **Site ID:** H271 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	Site T4 of national soil fertility project on property "Penna":217M N from S fence + 9M E from W fence:
Date Desc.:	26/04/67	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	147.4733333	Runoff:	Rapid
Easting/Lat.:	-42.7766667	Drainage:	Poorly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial fan
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Fan	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Vertic Mesotrophic Brown Chromosol		Principal Profile Form:	Dd3.43
ASC Confidence:	No analytical data and little or no knowledge of this soil.	Great Soil Group:	Solodized solonetz

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.05 m	Very dark brown (10YR2/2-Moist); Dark grey (10YR4/1-Dry); ; Sandy loam; Massive grade of structure; Moderately moist; Very weak consistence; Non-plastic; Diffuse change to -
Ap	0.05 - 0.1 m	Very dark brown (10YR2/3-Moist); Dark greyish brown (10YR4/2-Dry); ; Sandy loam; Massive grade of structure; Moderately moist; Very weak consistence; Non-plastic; Diffuse change to -
Ap	0.1 - 0.15 m	Very dark brown (10YR2/3-Moist); Greyish brown (10YR5/2-Dry); ; Sandy loam; Massive grade of structure; Moderately moist; Very weak consistence; Non-plastic; Sharp change to -
A2	0.15 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); Grey (10YR6/1-Dry); ; Loamy sand; Massive grade of structure; Moderately moist; Strong consistence; Non-plastic; Diffuse change to -
A2	0.2 - 0.25 m	Dark greyish brown (10YR4/2-Moist); Light grey (10YR7/1-Dry); ; Sand; Single grain grade of structure; Moderately moist; Strong consistence; Non-plastic; Sharp, Tongued change to -
B1	0.25 - 0.3 m	Dark brown (7.5YR3/2-Moist); Dark greyish brown (10YR4/2-Dry); , 10YR44; Sandy medium clay; Fine, (0 - 5) mm crack; Moderately moist; Non-plastic; Diffuse change to -
B1	0.3 - 0.4 m	Dark brown (7.5YR3/2-Moist); , 7.5YR34; Light clay; Fine, (0 - 5) mm crack; Moderately moist; Very firm consistence; Moderately plastic; Normal plasticity; Diffuse change to -
B1	0.4 - 0.5 m	Brown (7.5YR4/2-Moist); , 7.5YR44; Light clay; Moderately moist; Very firm consistence; Moderately plastic; Normal plasticity; Diffuse change to -
B1	0.5 - 0.6 m	Brown (7.5YR4/2-Moist); , 7.5YR44; Light clay; Moderately moist; Very firm consistence; Moderately plastic; Normal plasticity; Diffuse change to -
B2	0.6 - 0.7 m	Brown (10YR4/3-Moist); , 10YR44; Medium clay; Moist; Very plastic; Normal plasticity; Diffuse change to -
B2	0.7 - 0.8 m	Brown (10YR4/3-Moist); , 10YR44; Medium clay; Moist; Very plastic; Normal plasticity; Diffuse change to -
B2	0.8 - 0.9 m	Brown (10YR4/3-Moist); , 7.5YR44; Medium clay; Moist; Very plastic; Normal plasticity; Diffuse change to -
BC	0.9 - 1 m	Dark greyish brown (2.5Y4/3-Moist); , 7.5YR44; Medium clay; Moist; Very plastic; Normal plasticity; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -

Project Name: DER
Project Code: DER **Site ID:** H271 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

BC	1 - 1.2 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Moist; Very plastic; Normal plasticity; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
BC	1.2 - 1.4 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Moist; Very plastic; Normal plasticity; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
BC	1.4 - 1.6 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Moist; Very plastic; Normal plasticity; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
BC	1.6 - 1.8 m	Dark greyish brown (2.5Y4/3-Moist); , N20; , 2.5Y82; Medium clay; Moist; Very plastic; Normal plasticity; Very few (0 - 2 %), Unidentified, , ; Common (10 - 20 %), Calcareous, , Soft segregations; Diffuse change to -
BC	1.8 - 2 m	Dark greyish brown (2.5Y4/3-Moist); , N20; Medium clay; Moist; Very firm consistence; Moderately plastic; Normal plasticity; Very few (0 - 2 %), Unidentified, , ; Diffuse change to -

Morphological Notes

Observation Notes

100-140CM FEW SLICKENSIDES:160-180CM PROMINENT SLICKENSIDES:90-180CM CARBONATE CONCRETIONS
ALSO:SURFACE <10% SA GV

Site Notes

HOBART

Observation ID: 1

[illegible]

Project Name: DER
Project Code: DER **Site ID:** H271 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

0.25 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.9
0.9 - 1
1 - 1.2
1.2 - 1.4
1.4 - 1.6
1.6 - 1.8
1.8 - 2

Project Name: DER
Project Code: DER Site ID: H271 Observation ID: 1
Agency Name: CSIRO Division of Soils (TAS)

Laboratory Analyses Completed for this profile

2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour