

Project Name: DER
Project Code: DER **Site ID:** H269 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By: K.D. Nicholls **Locality:** 19M on 204degrees from SW corner lot57
"Willowdene Subdivision":erosional slope of
Mt.Nelson ridge:
Date Desc.: 04/03/66 **Elevation:** 131 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 147.3416667 **Runoff:** Very rapid
Easting/Lat.: -42.91833333 **Drainage:** Imperfectly drained

Geology

ExposureType: Soil pit **Conf. Sub. is Parent. Mat.:** No Data
Geol. Ref.: No Data **Substrate Material:** Soil pit, 0.71 m deep,Dolerite

Land Form

Rel/Slope Class: No Data **Pattern Type:** No Data
Morph. Type: Mid-slope **Relief:** No Data
Elem. Type: Hillslope **Slope Category:** Steep
Slope: 28.7 % **Aspect:** 45 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
Haplic Epipedal Black Vertosol **Principal Profile Form:** Ug5.13
ASC Confidence: **Great Soil Group:** Black earth
No analytical data and little or no knowledge of this soil.

Site Disturbance: Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, , Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.06 m | Black (10YR2/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Moderately moist; Firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; AbundantDiffuse change to - |
| A12 | 0.06 - 0.1 m | Black (10YR2/1-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; Diffuse change to - |
| A13 | 0.1 - 0.18 m | Black (10YR2/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; ManyDiffuse change to - |
| A14 | 0.18 - 0.25 m | Black (10YR2/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moist; Firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; ManyClear change to - |
| A15 | 0.25 - 0.33 m | Black (10YR2/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Moist; Very firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; CommonDiffuse change to - |
| AB | 0.33 - 0.43 m | Black (10YR2/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Moist; Very firm consistence; Moderately plastic; Normal plasticity; 0-2%, Dolerite, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; CommonDiffuse change to - |
| BC | 0.43 - 0.51 m | Very dark greyish brown (2.5Y3/2-Moist); , 10YR43; Heavy clay; Massive grade of structure; Moist; Very firm consistence; Moderately plastic; Normal plasticity; 0-2%, Dolerite, coarse fragments; Few |
| | 0.51 - 0.71 m | Dark greyish brown (2.5Y4/3-Moist); , 10YR21; Medium clay; Massive grade of structure; Very firm consistence; Slightly plastic; 0-2%, Dolerite, coarse fragments; |

Morphological Notes

Observation Notes

43-51CM MUCH FINE W'D DR FRAGMENTS:51-71CM CLAY WITH GRITTY W'D DR INCREASING:>71CM ON W'D DR:

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HOBART

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Laboratory Analyses Completed for this profile