**Project Name: DER** 

H269 Observation ID: 1 **Project Code:** DER Site ID:

**CSIRO Division of Soils (TAS) Agency Name:** 

**Site Information** 

Desc. By: K.D. Nicholls Locality: 19M on 204degrees from SW corner lot57

Flevation:

Rainfall:

"Willowdene Subdivision":erosional slope of

Mt.Nelson ridge: 131 metres

No Data

Date Desc.: 04/03/66

Map Ref.: Northing/Long.: 147.3416667 -42.91833333 Easting/Lat.:

Runoff: Very rapid 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: Pattern Type: No Data No Data Morph. Type: Mid-slope Relief: No Data Elem. Type: Hillslope Slope Category: Steep 45 degrees Slope: 28.7 % Aspect:

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification:** N/A Mapping Unit: 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:**

<b>Profile Morphology</b>						
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 -

Black (10YR2/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; A14 0.18 - 0.25 m Moist; Firm consistence; Non-plastic; 0-2%, Dolerite, coarse fragments; ManyClear change to

Black (10YR2/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Moist; Very A15 0.25 - 0.33 m

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 Very dark greyish brown (2.5Y3/2-Moist); , 10YR43; Heavy clay; Massive grade of structure; 0.43 - 0.51 m

Moist; Very firm consistence; Moderately plastic; Normal plasticity; 0-2%, Dolerite, coarse

fragments: Few

Dark greyish brown (2.5Y4/3-Moist); , 10YR21; Medium clay; Massive grade of structure; Very 0.51 - 0.71 m

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:

## **Site Notes**

Project Name: Project Code: Agency Name: DER

DER Site ID: H2
CSIRO Division of Soils (TAS) H269 Observation ID: 1

HOBART

DER **Project Name:** 

Project Code: Agency Name: H269 Observation ID: 1 DER Site ID:

**CSIRO Division of Soils (TAS)** 

# **Laboratory Test Results:**

Depth	рН	1:5 EC	Ez Ca	xchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC		ECEC	;	ESP	
m		dS/m		9		Cmol (+)/kg						%	
0 - 0.06													
0.06 - 0.1													
0.1 - 0.18													
0.18 - 0.25													
0.25 - 0.33													
0.33 - 0.43													
0.43 - 0.51													
0.51 - 0.71													
Depth	CaCO3	Organic C	Avail P	. Total	Total N	Tota K	al Bulk Density	Particle GV CS		Size FS	Analysis Silt Clay		
m	%	%	mg/k		%	%		GV	C3	%	Siit	Clay	
0 - 0.06													
0.06 - 0.1													

0.06 - 0.1 0.1 - 0.18 0.18 - 0.25 0.25 - 0.33 0.33 - 0.43 0.43 - 0.51 0.51 - 0.71

> COLE Depth **Gravimetric/Volumetric Water Contents** K sat K unsat 15 Bar 5 Bar m g/g - m3/m3 mm/h mm/h

0 - 0.06 0.06 - 0.1 0.1 - 0.18 0.18 - 0.25 0.25 - 0.33 0.33 - 0.43 0.43 - 0.51 0.51 - 0.71

H269 Observation ID: 1

Project Name: DER
Project Code: DER Site ID: H2
Agency Name: CSIRO Division of Soils (TAS)

**Laboratory Analyses Completed for this profile**