

**Project Name:** NSF  
**Project Code:** NSF **Site ID:** VP94 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (VIC)

#### Site Information

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	//	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7322 1:100000	<b>Rainfall:</b>	675
<b>Northing/Long.:</b>	142.1	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-37.8333333333333	<b>Drainage:</b>	Imperfectly drained

#### Geology

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Basalt

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dd1.12
		<b>Great Soil Group:</b>	Solodic soil

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Strong grade of structure, 2-5 mm, Subangular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Strong grade of structure, 2-5 mm, Subangular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.3 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Ferruginous, , Nodules;
0.4 - 0.5 m	Very dark greyish brown (10YR3/2-Moist); , 10YR57, 10-20% , Faint; , 2.5YR48, 10-20% , Faint; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; Many (20 - 50 %), Ferruginous, , Nodules;
0.5 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); , 10YR57, 10-20% , Faint; , 2.5YR48, 10-20% , Faint; Heavy clay; Strong grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; Many (20 - 50 %), Ferruginous, , Nodules;
0.6 - 0.7 m	Very dark greyish brown (10YR3/2-Moist); , 10YR57, 10-20% , Faint; , 2.5YR48, 10-20% , Faint; Heavy clay; Strong grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; Common (10 - 20 %), Ferruginous, , Nodules;
0.7 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR57, 2-10% , Faint; , 10YR21, 2-10% , Faint; Heavy clay; Very strong consistence; Common (10 - 20 %), Ferruginous, , Nodules;
0.8 - 0.9 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR57, 2-10% , Faint; , 2.5YR48, 2-10% , Faint; Heavy clay; Very strong consistence; Common (10 - 20 %), Ferruginous, , Nodules;
0.9 - 1 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR57, 2-10% , Faint; , 2.5YR48, 2-10% , Faint; Heavy clay; Very strong consistence; Few (2 - 10 %), Ferruginous, , Nodules;

#### Morphological Notes

#### Observation Notes

ORIGINALLY VP69/P2; MORPHOLOGY AND CHEMISTRY DATA FROM SINGLE CORE NO.5:

#### Site Notes

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HAMILTON

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
3_C_B	Electrical conductivity or soluble salts - Total soluble salts %
4A_C_2.5	pH of soil - pH of 1:2.5 soil/water suspension
5_C_B	Water soluble Chloride - Method recorded as B
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
MIN_EC	Exchange Capacity - Minerology
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
XRD_C_Hm	Hematite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction