

Project Name: NSF
Project Code: NSF **Site ID:** VP92 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:		Locality:	
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 7623 1:100000	Rainfall:	690
Northing/Long.:	143.516666666667	Runoff:	No Data
Easting/Lat.:	-37.483333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy3.42
		Great Soil Group:	Solodic soil

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark reddish grey (5YR4/2-Moist); ; Loam; Weak grade of structure, 2-5 mm; Firm consistence; 0-2%, Quartz, coarse fragments;
0.1 - 0.2 m	Reddish grey (5YR5/2-Moist); ; Loam; Weak grade of structure, 2-5 mm; Firm consistence; 0-2%, Quartz, coarse fragments;
0.2 - 0.3 m	Reddish grey (5YR5/2-Moist); ; Clay loam; Weak grade of structure, 2-5 mm; Firm consistence; 0-2%, Quartz, coarse fragments;
0.3 - 0.4 m	Pinkish grey (7.5YR6/2-Moist); ; Clay loam; Weak grade of structure, 2-5 mm; Firm consistence; 0-2%, Quartz, coarse fragments;
0.4 - 0.5 m	Light brownish grey (10YR6/2-Moist); ; Clay loam; Weak grade of structure, 2-5 mm; Firm consistence; 0-2%, Quartz, coarse fragments;
0.5 - 0.6 m	Light brownish grey (10YR6/2-Moist); , 10YR68, 2-10% ; , 2-10% ; Light clay; Weak grade of structure, 2-5 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.6 - 0.7 m	Dark greyish brown (10YR4/2-Moist); , 10YR68, 2-10% ; , 2-10% ; Light clay; Massive grade of structure; Strong consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules;
0.7 - 0.8 m	Dark greyish brown (10YR4/2-Moist); , 10YR68, 2-10% ; , 2-10% ; Light clay; Massive grade of structure; Strong consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules;
0.8 - 0.9 m	Dark greyish brown (10YR4/2-Moist); , 10YR68, 2-10% ; , 2-10% ; Light clay; Massive grade of structure; Strong consistence; 0-2%, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, , Nodules;
0.9 - 1 m	Grey (10YR6/1-Moist); , 10YR68, 2-10% ; , 2-10% ; Light clay; Weak grade of structure, 2-5 mm; Very strong consistence; , Manganiferous, , Nodules;

Morphological Notes

Observation Notes

ORIGINALLY VP70/P11; DATA IS FROM BULK OF 8 CORES;

Site Notes

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BEUUFORT

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	5.2I	0.22D	3.4K	1.5	0.75	0.3			
0.1 - 0.2	5.6I	0.1D							
0.2 - 0.3	6.1I	0.08D							
0.3 - 0.4	6.6I	0.07D							
0.4 - 0.5	7I	0.1D							
0.5 - 0.6	7I	0.11D	4K	6.4	0.7	1.7			
0.6 - 0.7	7.2I	0.12D							
0.7 - 0.8	7.3I	0.2D							
0.8 - 0.9	7.3I	0.22D							
0.9 - 1	7.6I	0.29D	5.9K	10	0.65	3.8			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1					0.273A				4C	37	25	24
0.1 - 0.2					0.096A							
0.2 - 0.3					0.066A							
0.3 - 0.4												
0.4 - 0.5												
0.5 - 0.6					0.045A				5C	31	18	46
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.036A				2C	18	14	62

[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
2A1	Air-dry moisture content
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_II	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction