

Project Name: NSF
Project Code: NSF **Site ID:** VP93 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:		Locality:	
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 7123 1:100000	Rainfall:	560
Northing/Long.:	141.333333333333	Runoff:	No Data
Easting/Lat.:	-37	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Detrital sedimentary rock (unidentified)

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:	2 %	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:	Dy3.23
		Great Soil Group:	Solodic soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence;
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.3 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); , 2.5Y54, 10-20% ; , 2.5YR36, 10-20% ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence;
0.4 - 0.5 m	Yellowish brown (10YR5/6-Moist); , 10YR32, 10-20% ; , 2.5YR36, 10-20% ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence;
0.5 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 2.5Y43, 10-20% ; , 2.5YR36, 10-20% ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Strong consistence;
0.6 - 0.7 m	Yellowish brown (10YR5/5-Moist); , 2.5Y43, 2-10% ; , 2-10% ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.7 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5Y74, 2-10% ; , 2-10% ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Strong consistence;
0.8 - 0.9 m	Yellowish brown (10YR5/6-Moist); , 2.5Y76, 10-20% ; , 10-20% ; Light clay; Weak grade of structure, Subangular blocky; Strong consistence;
0.9 - 1.2 m	;

Morphological Notes

Observation Notes

ORIGINALLY VP69/P1 MORPHOLOGY FROM CORE 1; DATA FROM BULK OF 9 CORES:

Site Notes

EDENHOPE

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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	6.6I	0.18D	1.2K	0.4	0.25	0.28			
0.1 - 0.2	6I	0D							
0.2 - 0.3	6.7I	0D							
0.3 - 0.4	6.9I	0.12D	5.9K	7.6	0.55	2.8			
0.4 - 0.5	7I	0.14D							
0.5 - 0.6	7.1I	0.17D							
0.6 - 0.7	7.4I	0.18D							
0.7 - 0.8	8.5I	0.45D							
0.8 - 0.9	8.8I	0.48D							
0.9 - 1	8.8I	0.43D	4.9K	7.6	0.4	3			

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					0.095A				51C	32	7	7
0.1 - 0.2					0.023A							
0.2 - 0.3					0.01A							
0.3 - 0.4									17C	13	1	63
0.4 - 0.5												
0.5 - 0.6					0.026A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.013A				35C	22	2	37

[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 - Mineralogy
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