Project Name: NSF
Project Code: NSF **Site ID:** VP95 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:		**Locality:**	
Date Desc.:	//	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8124 1:100000	**Rainfall:**	665
Northing/Long.:	146.1	**Runoff:**	No Data
Easting/Lat.:	-36.5166666666667	**Drainage:**	Imperfectly drained

Geology

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

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:		**Mapping Unit:**	N/A
N/A		**Principal Profile Form:**	Db2.22
ASC Confidence:		**Great Soil Group:**	Solodic soil
Confidence level not specified			

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Silty loam; Massive grade of structure; Very weak consistence;
0.05 - 0.1 m	Dark brown (10YR3/3-Moist); ; Silty loam; Moderate grade of structure, 2-5 mm; Very weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Moderate grade of structure, 2-5 mm; Very weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Moderate grade of structure, 5-10 mm; Very weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.3 - 0.4 m	Greyish brown (2.5Y5/2-Moist); , 2.5YR36, 2-10% ; , 2-10% ; Light clay; Strong grade of structure, 10-20 mm; Strong consistence;
0.4 - 0.5 m	Olive brown (2.5Y4/5-Moist); , 2.5YR36, 2-10% ; , 2-10% ; Light clay; Moderate grade of structure, 10-20 mm; Very strong consistence;
0.5 - 0.6 m	Olive brown (2.5Y4/4-Moist); ; Light clay; Moderate grade of structure, 10-20 mm; Very strong consistence;
0.6 - 0.7 m	Olive brown (2.5Y4/4-Moist); , 2.5YR36, 10-20% ; , 10-20% ; Heavy clay; Moderate grade of structure, 10-20 mm; Very strong consistence;
0.7 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); , 2.5YR36, 10-20% ; , 10-20% ; Heavy clay; Moderate grade of structure, 10-20 mm; Very strong consistence;
0.8 - 0.9 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR44, 10-20% ; , 2.5YR36, 10-20% ; Light clay; Weak grade of structure, 10-20 mm; Very strong consistence;
0.9 - 1 m	Olive brown (2.5Y4/5-Moist); , 2.5Y52, 10-20% ; , 10-20% ; Light clay; Weak grade of structure, 10-20 mm; Very strong consistence;

Morphological Notes

Observation Notes
ORIGINALLY VP69/P3;MORPHOLOGY FROM SINGLE CORE No1;CHEM DATA FROM BULK OF 9 CORES:

Site Notes

Project Name:	**NSF**				
Project Code:	**NSF**	**Site ID:**	**VP95**	**Observation ID:**	**1**
Agency Name:	**CSIRO Division of Soils (VIC)**				

BENALLA

Project Name: NSF
Project Code: NSF **Site ID:** VP95 **Observation ID:** 1
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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	5.1I	0.1D	1.4K	0.35		0.1				
0.05 - 0.1	5.3I	0D								
0.1 - 0.2	5.7I	0D								
0.2 - 0.3	6I	0D								
0.3 - 0.4	5.9I	0.09D	2.2K	5.9		1.6				
0.4 - 0.5	6I	0.1D								
0.5 - 0.6	6.1I	0.12D								
0.6 - 0.7	6.1I	0.17D								
0.7 - 0.8	6.4I	0.19D								
0.8 - 0.9	6.8I	0.2D	1.3K	7.4		3.1				
0.9 - 1										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05					0.175A				5C	52	30	10
0.05 - 0.1					0.027A							
0.1 - 0.2					0.022A							
0.2 - 0.3												
0.3 - 0.4									2C	33	25	36
0.4 - 0.5					0.024A							
0.5 - 0.6												
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9					0.015A					45	25	25
0.9 - 1									4C			

Depth	COLE	Gravimetric/Volumetric Water Contents Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	K sat	K unsat
m				g/g - m3/m3					mm/h	mm/h
0 - 0.05										
0.05 - 0.1										
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.4										
0.4 - 0.5										
0.5 - 0.6										
0.6 - 0.7										
0.7 - 0.8										
0.8 - 0.9										
0.9 - 1										

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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_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_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	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