

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP21 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	08/08/72	Elevation:	No Data
Map Ref.:	Sheet No. : 6926 1:100000	Rainfall:	540
Northing/Long.:	138.583333333333	Runoff:	No Data
Easting/Lat.:	-35.516666666667	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:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	7 %	Aspect:	270 degrees

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:	N/A
		Great Soil Group:	Yellow podzolic soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Grey (10YR6/1-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Quartz, coarse fragments;
0.1 - 0.2 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Quartz, coarse fragments;
0.2 - 0.3 m	White (10YR8/1-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Quartz, coarse fragments;
0.3 - 0.4 m	Reddish yellow (7.5YR6/6-Moist); , 10YR62; Sandy medium clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.4 - 0.5 m	Brownish yellow (10YR6/6-Moist); , 7.5YR66; Sandy medium clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.5 - 0.6 m	Brownish yellow (10YR6/6-Moist); , 5YR58; Sandy medium clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.6 - 0.7 m	White (10YR8/2-Moist); , 5YR58; , 10YR66; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.7 - 0.8 m	White (10YR8/2-Moist); , 5YR58; , 10YR66; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.8 - 0.9 m	White (10YR8/2-Moist); , 5YR58; , 10YR66; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;
0.9 - 1 m	White (10YR8/2-Moist); , 5YR58; , 10YR66; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Quartz, coarse fragments;

Morphological Notes

Observation Notes

ORIGINALLY SP72/P6; MORPHOLOGY FROM SINGLE CORE NO.5; CHEMICAL DATA FROM BULK OF 8 CORES;

Site Notes

VICTOR HARBOUR

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Exchangeable K	Exchangeable Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.7I	0.09D								
0.1 - 0.2	5.5I	0D								
0.2 - 0.3	5.7I	0D								
0.3 - 0.4	5.4I	0.1D								
0.4 - 0.5	5.5I	0.1D								
0.5 - 0.6	5.5I	0.1D								
0.6 - 0.7	5.5I	0.1D								
0.7 - 0.8	5.6I	0.1D								
0.8 - 0.9	5.6I	0.11D								
0.9 - 1	5.6I	0.11D								

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					0.11A				51C	43	0	4
0.1 - 0.2					0.021A							
0.2 - 0.3					0.01A							
0.3 - 0.4									40C	29	3	27
0.4 - 0.5												
0.5 - 0.6					0.015A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.01A				37C	28	1	32

[illegible]

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Laboratory Analyses Completed for this profile

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_Ill	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