Project Name: **National Soil Fertility**
Project Code: **NSF** **Site ID:** **SP22** **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. : 6626 1:100000	**Rainfall:**	0
Northing/Long.:	138.466666666667	**Runoff:**	No Data
Easting/Lat.:	-35.6166666666667	**Drainage:**	No Data

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:	Crest	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	5 %	**Aspect:**	135 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
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	Brown (10YR4/3-Moist); ; Loamy sand; Strong grade of structure, 2-5 mm; Weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.1 - 0.2 m	Yellowish brown (10YR5/6-Moist); ; Sandy medium clay; Strong grade of structure, 2-5 mm; Weak consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.2 - 0.3 m	Yellowish brown (10YR5/6-Moist); ; Sandy medium clay; Strong grade of structure, 2-5 mm; Firm consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.3 - 0.4 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.4 - 0.5 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.5 - 0.6 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.6 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.7 - 0.8 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.8 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 5YR56, 10-20% , Faint; , 10-20% , Faint; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, ,
0.9 - 1 m	Brownish yellow (10YR6/6-Moist); , 5YR56, 10-20% , Faint; , 10-20% , Faint; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Very few (0 - 2 %), Ferruginous, ,

Morphological Notes

Observation Notes

ORIGINALLY SP72/P7; 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 Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	5.7I	0.11D								
0.1 - 0.2	5.9I	0.07D								
0.2 - 0.3	5.9I	0.08D								
0.3 - 0.4	6I	0.1D								
0.4 - 0.5	6.1I	0.1D								
0.5 - 0.6	6.1I	0.09D								
0.6 - 0.7	6I	0.1D								
0.7 - 0.8	5.9I	0.1D								
0.8 - 0.9	5.8I	0.1D								
0.9 - 1	5.6I	0.1D								

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 - 0.1					0.079A				51C	24	3	18
0.1 - 0.2					0.034A				46C	25	3	25
0.2 - 0.3					0.035A							
0.3 - 0.4												
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				12C	14	11	61

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 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

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_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Vm	Vermiculte - X-Ray Diffraction