

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP17 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	07/08/72	Elevation:	No Data
Map Ref.:	Sheet No. : 6628 1:100000	Rainfall:	0
Northing/Long.:	138.983333333333	Runoff:	No Data
Easting/Lat.:	-34.7	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	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:	Uc
		Great Soil Group:	Siliceous sand

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.1 - 0.2 m	Dark grey (10YR4/1-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.2 - 0.3 m	Dark grey (10YR4/1-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.3 - 0.4 m	Light grey (10YR7/1-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.4 - 0.5 m	Light grey (10YR7/2-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.5 - 0.6 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.6 - 0.7 m	Brown (10YR5/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.7 - 0.8 m	Brown (10YR5/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.8 - 0.9 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.9 - 1 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

ORIGINALLY SP72/P2; MORPHOLOGY FROM SINGLE CORE NO.6; CHEMICAL DATA FROM BULK OF 8 CORES;

Site Notes

WILLIAMSTOWN

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.2I	0.12D								
0.1 - 0.2	5.3I	0D								
0.2 - 0.3	5.3I	0D								
0.3 - 0.4	5.4I	0D								
0.4 - 0.5	5.5I	0.08D								
0.5 - 0.6	5.9I	0.11D								
0.6 - 0.7	6.2I	0.11D								
0.7 - 0.8	6.7I	0.08D								
0.8 - 0.9	7I	0.07D								
0.9 - 1	7.3I	0.07D								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Particle CS	Size FS	Analysis Silt	Analysis Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1					0.09A				28C	64	1	4
0.1 - 0.2					0.047A							
0.2 - 0.3					0.025A							
0.3 - 0.4												
0.4 - 0.5												
0.5 - 0.6					0.013A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.005A				28C	64	4	4

[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
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