Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP13 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Thompson, Jim
Date Desc.: 10/01/72
Map Ref.: Sheet No. : 6924 1:100000
Northing/Long.: 140.45
Easting/Lat.: -37.15
Locality:
Elevation: No Data
Rainfall: 665
Runoff: No Data
Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

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: Dy3.42
Great Soil Group: Solodized solonetz

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Very weak
0.1 - 0.2 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Very weak
0.2 - 0.3 m	Light grey (10YR7/2-Moist); ; Loamy sand; Massive grade of structure; Very weak
0.3 - 0.4 m	Yellowish brown (10YR5/4-Moist); , 10YR56, 10-20% , Distinct; , 2.5YR48, 10-20% , Distinct; Heavy clay; Strong grade of structure, 2-5 mm; Strong consistence;
0.4 - 0.5 m	Yellowish brown (10YR5/6-Moist); , 2.5YR46, 10-20% , Distinct; , 10YR54, 10-20% , Distinct; Heavy clay; Strong grade of structure, 2-5 mm; Very strong consistence;
0.5 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 2.5YR46, 10-20% , Distinct; , 10-20% , Distinct; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence;
0.6 - 0.7 m	Yellowish brown (10YR5/8-Moist); , 10YR54, 10-20% , Distinct; , 2.5YR46, 10-20% , Distinct; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence;
0.7 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 10YR64, 10-20% , Distinct; , 5YR56, 10-20% , Distinct; Sandy medium clay; Strong grade of structure, 2-5 mm; Very strong consistence;
0.8 - 0.9 m	Yellowish brown (10YR5/6-Moist); , 10YR63, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 2-5 mm; Very strong consistence;

Morphological Notes

Observation Notes

ORIGINALLY SP71/P5; CHEMICAL DATA IS FROM BULK OF 8 CORES:

Site Notes

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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	6.7A	0.11D								
0.1 - 0.2	6.6A	0.08D								
0.2 - 0.3	6.5A	0.08D								
0.3 - 0.4	6.5A	0.1D								
0.4 - 0.5	6.7A	0.11D								
0.5 - 0.6	7A	0.14D								
0.6 - 0.7	7.4A	0.26D								
0.7 - 0.8	7.7A	0.29D								
0.8 - 0.9	7.9A	0.24D								

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					0.066B				56C	34	2	7
0.1 - 0.2					0.029B							
0.2 - 0.3					0.03B							
0.3 - 0.4									22C	19	1	53
0.4 - 0.5												
0.5 - 0.6					0.025B							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9					0.023B				12C	21	2	54

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									

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Project Code: **NSF** **Site ID:** **SP13** **Observation ID:** **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 %
4A1	pH of 1:5 soil/water suspension
5_C_B	Water soluble Chloride - Method recorded as B
7_NR	Total nitrogen (%) - Not recorded
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_Gt	Geothite - 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
XRD_C_Vm	Vermiculte - X-Ray Diffraction