Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP11 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Thompson, Jim
Date Desc.: 20/12/71
Map Ref.: Sheet No. : 7024 1:100000
Northing/Long.: 140.766666666667
Easting/Lat.: -36.75
Locality:
Elevation: No Data
Rainfall: 540
Runoff: No Data
Drainage: No Data

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: Mid-slope
Elem. Type: No Data
Slope: 1 %
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: Dy3.22
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	Very dark greyish brown (10YR3/2-Moist); ; Sand; Massive grade of structure; Very weak consistence;
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Sand; Massive grade of structure; Very weak
0.2 - 0.3 m	Yellowish brown (10YR5/6-Moist); ; Sand; Massive grade of structure; Very weak
0.3 - 0.4 m	Yellowish brown (10YR5/6-Moist); , 7.5YR56, 2-10% , Faint; , 2-10% , Faint; Sand; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence;
0.4 - 0.5 m	Greyish brown (10YR5/2-Moist); , 10YR58, 10-20% , Faint; , 10YR32, 10-20% , Faint; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence;
0.5 - 0.6 m	Greyish brown (2.5Y5/2-Moist); , 10YR58, 10-20% , Faint; , 10-20% , Faint; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence;
0.6 - 0.7 m	Greyish brown (2.5Y5/2-Moist); , 10YR58, 10-20% , Faint; , 10-20% , Faint; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Very strong consistence;
0.7 - 0.8 m	Greyish brown (2.5Y5/2-Moist); , 7.5YR58, 10-20% , Faint; , 10-20% , Faint; Light clay; Strong grade of structure, <2 mm, Subangular blocky; Very strong consistence;
0.8 - 0.9 m	Greyish brown (2.5Y5/2-Moist); , 7.5YR58, 10-20% , Faint; , 10-20% , Faint; Sandy medium clay; Moderate grade of structure, <2 mm, Subangular blocky; Very strong consistence;
0.9 - 1 m	Light brownish grey (2.5Y6/2-Moist); , 7.5YR58, 2-10% , Faint; , 2-10% , Faint; Sandy medium clay; Moderate grade of structure, <2 mm, Subangular blocky; Very strong consistence;

Morphological Notes

Observation Notes

ORIGINALLY SP71/P3:

Site Notes

NARACOORTE

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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	5.5I	0.2D								
0.1 - 0.2	5.4I	0.08D								
0.2 - 0.3	5.8I	0.07D								
0.3 - 0.4	6.4I	0.1D								
0.4 - 0.5	6.7I	0.11D								
0.5 - 0.6	6.9I	0.13D								
0.6 - 0.7	7I	0.14D								
0.7 - 0.8	7.2I	0.18D								
0.8 - 0.9	7.2I	0.16D								
0.9 - 1	7.4I	0.18D								

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					0.123A				53C	39	0	7
0.1 - 0.2					0.07A							
0.2 - 0.3					0.025A							
0.3 - 0.4									33C	25	4	37
0.4 - 0.5												
0.5 - 0.6					0.025A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.013A				27C	19	3	49

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

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_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