Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP15 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Thompson, Jim
Date Desc.: 11/01/72
Map Ref.: Sheet No. : 7022 1:100000
Northing/Long.: 140.566666666667
Easting/Lat.: -37.9333333333333
Locality:
Elevation: No Data
Rainfall: 760
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: Lower-slope
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: 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	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence;
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence;
0.2 - 0.3 m	Pale brown (10YR6/3-Moist); ; Clayey sand; Massive grade of structure; Very weak
0.3 - 0.4 m	Pale brown (10YR6/3-Moist); ; Clayey sand; Massive grade of structure; Very weak
0.4 - 0.5 m	Very pale brown (10YR7/3-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence;
0.5 - 0.6 m	Yellowish brown (10YR5/4-Moist); , 10YR22, 2-10% , Faint; , 5YR56, 2-10% , Faint; Heavy clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Very strong consistence;
0.6 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 10YR22, 10-20% , Distinct; , 5YR56, 10-20% , Distinct; Heavy clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; 20-50%, Gravel, coarse fragments;
0.7 - 0.8 m	Light olive brown (2.5Y5/4-Moist); , 10YR44, 2-10% , Faint; , 5Y81, 2-10% , Faint; Heavy clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; 2-10%, Gravel, coarse fragments;
0.8 - 0.9 m	Light olive brown (2.5Y5/4-Moist); , 10YR44, 2-10% , Faint; , 2-10% , Faint; Heavy clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Very strong consistence;

Morphological Notes

Observation Notes

ORIGINALLY SP71/P7; MORPHOLOGY FROM SINGLE CORE NO.3; CHEMISTRY DATA FROM BULK OF CORES 2 & 4:

Site Notes

KONGORONG

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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	6.9l	0.51D								
0.1 - 0.2	7l	0.26D								
0.2 - 0.3	7.5l	0.33D								
0.3 - 0.4	7.3l	0.41D								
0.4 - 0.5	6.9l	0.19D								
0.5 - 0.6	6.8l	0.1D								
0.6 - 0.7	6.8l	0.1D								
0.7 - 0.8	7.1l	0.26D								
0.8 - 0.9	6.2l	0.09D								

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					0.18A				10C	64	8	8
0.1 - 0.2					0.045A							
0.2 - 0.3					0.048A				6C	54	8	28
0.3 - 0.4												
0.4 - 0.5												
0.5 - 0.6					0.06A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9					0.039A				1C	23	6	64

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:** **SP15** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

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_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