Project Name: **New Farm Forest**
Project Code: **NFF** **Site ID:** **UND** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	I. Hollingsworth	**Locality:**	
Date Desc.:	11/03/97	**Elevation:**	110 metres
Map Ref.:	Sheet No. : 7925 1:100000	**Rainfall:**	No Data
Northing/Long.:	5977874 AMG zone: 55	**Runoff:**	No runoff
Easting/Lat.:	341052 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Auger boring, 0.5 m deep,Slightly porous, Colluvium

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	**Pattern Type:**	Terrace (alluvial)
Morph. Type:	Flat	**Relief:**	5 metres
Elem. Type:	Backplain	**Slope Category:**	Level
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting, Poached

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Mesotrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: N/A

ASC Confidence:
No analytical data are available but confidence is fair.

Great Soil Group: N/A

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus grandifolia, Eucalyptus camaldulensis, Eucalyptus saligna

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Brown (7.5YR4/4-Moist); , 0-0% ; Clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Wet; Moderately plastic; Normal plasticity; Moderately sticky; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B21	0.15 - 0.2 m	Dark red (2.5YR3/6-Moist); , 0-0% ; Medium clay; Massive grade of structure; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Moderately plastic; Normal plasticity; Very sticky; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B22	0.2 - 0.5 m	Dark red (2.5YR3/6-Moist); , 0-0% ; Medium heavy clay; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Moderately plastic; Normal plasticity; Very sticky; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
C	0.5 - 1 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Medium clay; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very plastic; Normal plasticity; Moderately sticky; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Sodic, Mesotrophic, Brown Chromosol; medium, non-gravelly, clay loamy, clayey, moderate, similar to Timmering and Tatura,irrigation turned off,

Site Notes

UNDERA, SHEPPARTON, Photo surface: 78/25, 79/1; similar to Tatura, irrigation turned off, Sodic, Mesotrophic, Brown Chromosol; medium, non-gravelly, clay loamy, clayey, moderate, planted 1991, preliminary site for TFP, poor growth

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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							%

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			%		

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

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Laboratory Analyses Completed for this profile