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

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 10/03/97
Map Ref.: Sheet No. : 7926 1:100000
Northing/Long.: 6019414 AMG zone: 55
Easting/Lat.: 340638 Datum: AGD66
Locality:
Elevation: 100 metres
Rainfall: No Data
Runoff: Very slow
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.7 m deep,Porous, Eolian sand

Land Form

Rel/Slope Class: No Data
Morph. Type: Flat
Elem. Type: Dune
Slope: 0 %
Pattern Type: Terrace (alluvial)
Relief: 0 metres
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Argic Mesotrophic Red Kandosol Medium Non-gravelly Loamy Clay-loamy 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:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR4/4-Moist); , 0-0% ; Loam; Moderate grade of structure, <2 mm, Granular; Single grain grade of structure, <2 mm; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Clear, Wavy change to -
B1	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Sandy clay loam, fine sandy; Single grain grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -
B2	0.2 - 0.7 m	Yellowish red (5YR4/8-Moist); , 0-0% ; Clay loam; Single grain grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Slightly plastic; Normal plasticity; Non-sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 7.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -
C	0.7 - 1.5 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (Raupach); Common, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Potentially a very good site but no weed control. Pumped groundwaer at 2500 uS/m; planted 1994; poor weed control, and stocking. Trees look healthy.

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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	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	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