Project Name: **New Farm Forest**
Project Code: **NFF** **Site ID:** **MEA3** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 18/02/97
Map Ref.: Sheet No. : 6627-1 1:100000
Northing/Long.: 6105558 AMG zone: 54
Easting/Lat.: 297684 Datum: AGD66
Locality:
Elevation: 410 metres
Rainfall: No Data
Runoff: Very slow
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.7 m deep,Slightly porous, Clay

Land Form

Rel/Slope Class: Rolling hills 90-300m 10-32%
Morph. Type: Flat
Elem. Type: Valley flat
Slope: 2 %
Pattern Type: Hills
Relief: 60 metres
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
Melanic-Mottled Mesotrophic Grey 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. Rainfed

Vegetation:

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.2 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Silty clay loam; Strong grade of structure, 2-5 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Slightly plastic; Normal plasticity; Moderately sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B2g	0.2 - 0.5 m	Dark greyish brown (10YR4/2-Moist); , 10YR41, 10-20% , 5-15mm, Faint; Silty light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Moderately plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.5 - 0.7 m	Yellowish brown (10YR5/6-Moist); , 2.5YR48, 0-2% , 0-5mm, Distinct; Medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
BC	0.7 - 1 m	Yellowish brown (10YR5/4-Moist); , 2.5YR46, 0-2% , 15-30mm, Distinct; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very plastic; Normal plasticity; Moderately sticky; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Litter layer, no ground cover. 8yr old grandis plantation.

Site Notes

MEADOWS, SOUTHERN MT LOFTY RANGES, Handiside property. valley flat.Melanic-mottled, Mesotrophic, Grey, Chromosol; non-gravelly, clay loamy, clayey, moderate

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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