

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

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	11/03/97	Elevation:	100 metres
Map Ref.:	Sheet No. : 7825 1:100000	Rainfall:	No Data
Northing/Long.:	5979955 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	313989 Datum: AGD66	Drainage:	Very poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.6 m deep, Slightly porous, Colluvium

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Flood plain
Morph. Type:	Flat	Relief:	1 metres
Elem. Type:	Backplain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Poached, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Melanic-Vertic Mesotrophic Black Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	N/A

No analytical data are available but confidence is fair.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); , 7.5YR56, 10-20% , 5-15mm, Distinct; Clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Wet; Moderately plastic; Normal plasticity; Moderately sticky; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth
B2g	0.1 - 0.2 m	Dark grey (7.5YR4/0-Moist); , 7.5YR56, 10-20% , 5-15mm, Distinct; Medium clay; Massive grade of structure; Rough-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Wet; Very plastic; Normal plasticity; Moderately sticky; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.2 - 0.4 m	Dark grey (7.5YR4/0-Moist); , 7.5YR54, 10-20% , 5-15mm, Distinct; Medium heavy clay; Massive grade of structure; Rough-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Wet; Very plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots;
C	0.4 - 1 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Medium clay; Massive grade of structure; Rough-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

SIMILAR TO UNDER & TATURA SITES, Melanic-mottled, Mesotrophic, Black Chromosol, medium, non-gravelly, clay loamy, clayey, moderate

Site Notes

TIMMERING, SHEPPARTON; Photo surface: 15(79/2); 10 000 EC bore water shandied with 200 EC channel water. Poor establishment, waterlogged. Melanic-mottled, Mesotrophic, Black Chromosol, medium, 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		
m				g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile