

Project Name: New Farm Forest
Project Code: NFF **Site ID:** CSI1 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	25/02/97	Elevation:	60 metres
Map Ref.:	Sheet No. : 7022 1:100000	Rainfall:	No Data
Northing/Long.:	5822603 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	480375 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.6 m deep,Porous, Eolian sand

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Dunefield
Morph. Type:	Crest	Relief:	10 metres
Elem. Type:	Dunecrest	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	270 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Arenic Orthic Tenosol Medium Non-gravelly Sandy		Principal Profile Form:	N/A
Sandy Very deep			

ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change
AB	0.2 - 0.3 m	Strong brown (7.5YR5/5-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
Bw	0.3 - 0.6 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
C1	0.6 - 1 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Normal plasticity; Non-sticky; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth
C2	1 - 2 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
C3	2 - m	, 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -

Morphological Notes

Observation Notes

Litter layer, deep sand

Site Notes

CSIRO FORESTRY HEADQUARTERS, SCRIMBER TRIAL, 1981 SPECIES TRIAL, Basic, Arenic, Orthic, Tenosol, medium, non-gravelly, sandy, sandy, very deep

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	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