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

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 26/02/97
Map Ref.: Sheet No. : 7022 1:100000
Northing/Long.: 5821886 AMG zone: 54
Easting/Lat.: 461324 Datum: AGD66
Locality:
Elevation: 40 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, 0.4 m deep,Porous, Calcarenite

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: Flat
Elem. Type: Dunecrest
Slope: 0 %
Pattern Type: Chenier plain
Relief: 3 metres
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Melanic Petroclcic Brown Chromosol Medium Moderately gravelly 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: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus globulus

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, rounded tabular, Chert

Profile Morphology

A1	0 - 0.2 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Normal plasticity; Non-sticky; 20-50%, coarse gravelly, 20-60mm, rounded tabular, dispersed, Chert, coarse fragments; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -
B2	0.2 - 0.4 m	Brown (7.5YR4/2-Moist); , 0-0% ; Medium heavy clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very plastic; Normal plasticity; Very sticky; 0-2%, medium gravelly, 6-20mm, rounded tabular, dispersed, Chert, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Sharp, Smooth change to -
Ck	0.4 - 0.7 m	Pinkish yellow (7.5YR8/2-Moist); , 0-0% ; Sand; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; Slightly sticky; Calcrete, Weakly cemented, Continuous, Massive; Field pH 8.5 (Raupach);

Morphological Notes

Observation Notes

Melanic, Petrocalcic, Brown Chromosol, medium, moderately gravelly loamy clayey shallow; Tantanoola Flinty Sand

Site Notes

FARTCHES, SE SOUTH AUSTRALIA, Poor foliage, trees have grown well but have a problem keeping canopy. Melanic, Petrocalcic, Brown Chromosol, medium, moderately gravelly loamy clayey shallow; Tantanoola Flinty Sand; E. globulus trial

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

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

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

Laboratory Analyses Completed for this profile