Project Name: **New Farm Forest**
Project Code: **NFF** **Site ID:** **LOX1** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 05/03/97
Map Ref.: Sheet No. : 7029 1:100000
Northing/Long.: 6189083 AMG zone: 54
Easting/Lat.: 467483 Datum: AGD66
Locality:
Elevation: 40 metres
Rainfall: No Data
Runoff: Very slow
Drainage: Well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 1 m deep,Porous, Eolian sand

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: Flat
Elem. Type: Dunecrest
Slope: 1 %
Pattern Type: Dunefield
Relief: 5 metres
Slope Category: Very gently sloped
Aspect: 90 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:
Epihypersodic Subpeaty Calcic Calcarosol Medium Non-gravelly Sandy Sandy 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

A11	0 - 0.2 m	Yellowish red (5YR4/8-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 8.5 (Raupach); Many, fine (1-2mm) roots; Clear, Wavy change to
A1k	0.2 - 0.3 m	Reddish yellow (5YR6/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 9 (Raupach); Common, fine (1-2mm) roots; Abrupt, Wavy change to -
Bk	0.3 - 1 m	Reddish yellow (5YR7/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 10 (Raupach); Few, fine (1-2mm) roots; Gradual, Wavy change to -
C	1 - 2 m	Yellowish red (5YR5/8-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 10 (Raupach);

Morphological Notes

Observation Notes

Slight fill form land grading for irrigation

Site Notes

LOXTON SALINE DRAINAGE IRRIGATION TRIAL, PLOT 1, REP 1: rainwater, no fertilizer Epihypersodic, Rendic, Calcic, Calcarosol; medium, non-gravelly, sandy, sandy, deep

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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