

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

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	13/03/97	Elevation:	95 metres
Map Ref.:	Sheet No. : 7827 1:100000	Rainfall:	No Data
Northing/Long.:	6078240 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	333084 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.5 m deep,Porous, Alluvium

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Terrace plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust, Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Mesotrophic Red Kandosol Medium Non-gravelly 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:

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Callitris species, Acacia pendula

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; Slightly sticky; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A12	0.1 - 0.25 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
B2	0.25 - 0.4 m	Yellowish red (5YR4/8-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 8 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
C	0.4 - 0.8 m	Yellowish red (5YR4/8-Moist); , 0-0% ; Sandy medium clay; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moist; Moderately plastic; Normal plasticity; Slightly sticky; Field pH 9 (Raupach); Few, fine (1-2mm) roots; Gradual, Smooth change to -
D	0.8 - 1.1 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Silty clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Normal plasticity; Slightly sticky; Field pH 9.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

POSSIBLY AN INTERGRADE BETWEEN THE DUNE SOIL TYPE AND THE TERRACE PLAIN SOIL TYPE ASSOCIATED WITH PRIOR STREAMS

Site Notes

EAST WANDOOK, PHOTO PROFILE 16 (83/16). REMNANT VEG ACACIA PENDULA AND CALLITRIS. SODIC, MESOTROPHIC, RED KANDOSOL. MEDIUM, NON-GRAVELLY, LOAMY, CLAYEY, MODERATE

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Laboratory Test Results:

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

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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