

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

#### Site Information

<b>Desc. By:</b>	I. Hollingsworth	<b>Locality:</b>	
<b>Date Desc.:</b>	14/03/97	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7827 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6084480 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	290628 Datum: AGD66	<b>Drainage:</b>	Poorly drained

#### Geology

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Auger boring, 0.2 m deep, Slightly porous, Colluvium

#### Land Form

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

**Surface Soil Condition (dry):** Surface crust

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Class Undetermined Stratic Rudosol Not recorded Non-gravelly Clay-loamy Not recorded Very shallow		<b>Principal Profile Form:</b>	N/A

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	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 - Eucalyptus largiflorens

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (2.5Y3/2-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Moderately plastic; Normal plasticity; Slightly sticky; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A1g	0.1 - 0.2 m	Dark olive grey (5Y3/2-Moist); , 0-0% ; Silty medium clay; Massive grade of structure; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very plastic; Normal plasticity; Slightly sticky; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
D1	0.2 - 0.5 m	Olive grey (5Y4/2-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; , 2.5Y72, 2-10% , 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Non-plastic; Normal plasticity; Non-sticky; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
D2	0.5 - 1.1 m	Olive (5Y5/3-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; , 10YR63, 2-10% , 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Normal plasticity; Non-sticky; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 8 (Raupach); Few, fine (1-2mm) roots;

#### Morphological Notes

#### Observation Notes

unusual texture profile: clay loam; clay; sand. Intergrade between the floodplain and the sandy terrace soils still influenced by recent river flooding

#### Site Notes

DENILIQUIN, BURNLEIGH: Photo Surface: 31,32,33; Grey Clay site. E. largiflorens remnant vegetation. Planted 1996: E. maculata; E. camaldulensis; E. saligna, E. grandis

Project Name: New Farm Forest

Project Code: NFF

Agency Name: CSIRO Division of Soils (SA)

Site ID: BUR

Observation ID: 1

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

Project Name: New Farm Forest  
Project Code: NFF Site ID: BUR  
Agency Name: CSIRO Division of Soils (SA)

Observation ID: 1

Laboratory Analyses Completed for this profile