Project Name: **New Farm Forest**
Project Code: **NFF** **Site ID:** **GUM1** **Observation ID:** **3**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 19/02/97
Map Ref.: Sheet No. : 6628-II 1:100000
Northing/Long.: 6144902 AMG zone: 54
Easting/Lat.: 305596 Datum: AGD66
Locality:
Elevation: 330 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.9 m deep,Slightly porous, Schist

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-32%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 20 %
Pattern Type: Hills
Relief: 50 metres
Slope Category: Moderately inclined
Aspect: 200 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Chromosol Thick Slightly 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: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, angular, Quartz

Profile Morphology

A1	0 - 0.5 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Loam; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; Non-sticky; 0-2%, medium gravelly, 6-20mm, angular tabular, dispersed, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, angular tabular, dispersed, Schist, coarse fragments; Field pH 7.5 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -
Bt	0.5 - 0.9 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Medium heavy clay; Moderate grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very plastic; Normal plasticity; Slightly sticky; 0-2%, medium gravelly, 6-20mm, angular tabular, dispersed, Schist, coarse fragments; 0-2%, medium gravelly, 6-20mm, angular tabular, dispersed, Quartz, coarse fragments; Many cutans, >50% of ped faces or walls coated, distinct; Field pH 8 (Raupach); Few, fine (1-2mm) roots; Clear, Irregular
Cr	0.9 - 1 m	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Moderately plastic; Normal plasticity; Slightly sticky; 10-20%, medium gravelly, 6-20mm, angular tabular, dispersed, Schist, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 8 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

GUMERACHA, WEIR BLOCK, plots 31, 43, 7, Haplic, Mesotrophic, Red, Chromosol, thick, slightly gravelly, loamy, clayey, moderate.

Project Name: New Farm Forest
Project Code: NFF **Site ID:** GUM1 **Observation ID:** 3
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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								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:** GUM1 **Observation ID:** 3
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile