Site Information	า						
Desc. By:	M.G. Cannon	Locality:					
Date Desc.:	03/03/92	Elevation:		300 metr	es		
Map Ref.:	Sheet No.: 8156 GPS	Rainfall:		No Data			
	7725740 AMG zone: 55	Runoff:		Slow			
Easting/Lat.:	444437 Datum: AGD66	Drainage:		Rapidly d	rained		
Geology							
ExposureType:	No Data	Conf. Sub.	is Pare	nt. Mat.:	No Data	a	
Geol. Ref.:	TITu	Substrate M	Material	aterial:		a	
Land Form							
	Steep low hills 30-90m 32-56%	Pattern Typ	ne.	Hills			
Morph. Type:	Lower-slope	Relief:		No Data			
Elem. Type:	Pediment				tly sloped	t	
Slope:	2 %	Aspect:					
Surface Soil Co	ndition (dry): Hardsetting	-		-			
Erosion: 3 m,4	0 m;						
Soil Classificati	ion						
Australian Soil Classification: Mapping Unit: N/A							
Haplic Mesotrophic Red Kandosol Medium Non-gravelly Clay- Principal Profile Form: Gn2.12							
loamy Clayey Very deep							
ASC Confidence: Great Soil Group: Red earth							
Analytical data are	e incomplete but reasonable confide	ence.		•			
Site Disturbanc	e: No effective disturbance other t	han grazing b	y hoofe	d animals			
Vegetation:	Low Strata - Tussock grass, 0.2	26-0.5m. Verv	/ sparse	. *Species	includes	- Aristida species, Eriachne obtusa,	
	5 /					. *Species includes - Acacia curvinervia,	
Eucalyptus crebra, I	, , ,		,	,			
			*0		E	nter ender Erschnitz eiter	
	Tall Strata - Tree, 6.01-12m, Is	•	Specie	es includes	- Eucaly	prus crebra, Eucalyprus serosa	
Surface Coarse	Fragments: No surface coarse	tragments					

Profile	Morphology	
A1	0 - 0.12 m	Dark reddish brown (5YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear, Smooth change to -
A3	0.12 - 0.35 m	Dark reddish brown (2.5YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.7 (Raupach, 0.25); Many, fine (1-2mm) roots; Clear, Wavy change to -
B21	0.35 - 0.56 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.45); Common, fine (1-2mm) roots; Gradual, Wavy change to -
B22	0.56 - 0.85 m	Red (2.5YR4/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.7); Common, very fine (0-1mm) roots; Diffuse, Wavy change to -
B22	0.85 - 1.3 m	Red (2.5YR4/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Loose consistence; 10-20%, medium gravelly, 6-20mm, subrounded, dispersed, Ferricrete, coarse fragments; Very few (0 - 2 %), Argillaceous, Coarse (6 - 20 mm), Concretions; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 1.1); Common, very fine (0-1mm) roots; Diffuse, Wavy change to -
B23	1.3 - 1.65 m	Red (2.5YR4/6-Moist); Mechanical, 2.5Y66, 2-10%, 5-15mm, Distinct; Mechanical, 2-10%; Clay loam; Massive grade of structure; Earthy fabric; Dry; Loose consistence; 20-50%, medium gravelly, 6-20mm, subrounded, dispersed, Ferricrete, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Concretions; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 1.4); Common, very fine (0-1mm) roots; Diffuse, Wavy change to -
B24	1.65 - 2 m	Red (2.5YR4/6-Moist); Mechanical, 2.5Y66, 10-20%, 5-15mm, Distinct; Mechanical, 10-20%; Clay loam; Massive grade of structure; Earthy fabric; Dry; Loose consistence; 20-50%, medium gravelly, 6-20mm, subrounded, dispersed, Ferricrete, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Concretions; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 1.8);

Observation Notes DLR1054 Site Notes

Laboratory Test Results:

Depth	рН	1:5 EC		changeabl			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Cmol	Acidity (+)/kg			%
0 - 0.12	5.93A	0.02A	2.6B 2.27J	1.2 1.15	0.72 0.23	0.08 0.05		6.1I		1.31 0.82
0.12 - 0.35	6A	0.01A								
0.35 - 0.56	6.29A	0.01A	1.9B 1.81J	1.3 1.21	0.64 0.16	0.07 0.02		6D 4.9l		1.17 1.43 0.33 0.41
0.56 - 0.85 0.85 - 1.3 1.3 - 1.65	6.47A 6.57A 6.33A	0.01A 0.01A 0.01A	1.64J	2.28	0.02	0.03		5.71		0.53
1.65 - 2	6.5A	0.01A	0.3J	2.31	0.02	0.07		4.6I		1.52

Depth m	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	P GV	article CS	Size FS %	Analysis Silt	s Clay
0 - 0.12 0.12 - 0.35	0.1A	1.5B		0.022A	0.07A	0.185A			16A	47	17	20
0.35 - 0.56	0.1A	0.3B		0.018A	0.02A	0.207A			15A	33	13	39
0.56 - 0.85 0.85 - 1.3									9A	28	13	50
1.3 - 1.65 1.65 - 2									15A	33	13	39
Depth	COLE	Sat.	Gravi 0.05 Bar	imetric/Volu 0.1 Bar 0			-	Bar	Ks	at	K unsa	t
m		Jat.	0.00 Dai		m3/m3	Dai J	, Dai 13	Bui	mm	/h	mm/h	

0 - 0.12 0.12 - 0.35 0.35 - 0.56 0.56 - 0.85 0.85 - 1.3 1.3 - 1.65 1.65 - 2

Laboratory Analyses Completed for this profile

10A1 10B 12A1_CU 12A1_FE 12A1_MN 12A1_ZN 15A2_CA	Total sulfur - X-ray fluorescence Extractable sulfur(mg/kg) - Phosphate extractable sulfur DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K 15A2_MG 15A2_NA 15D2_CEC 15F1_CA 15F1_K 15F1_MG 15F1_NA 15F3 15N1 17A1 19A1 3A1 4A1 6B2 7A2 9A1 P10_CE_C	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; automatic extractor Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts CEC by 0.01M silver-thiourea (AgTU)+ Exchangeable sodium percentage (ESP) Total potassium - X-ray fluorescence Carbonates - rapid titration EC of 1:5 soil/water extract pH of 1:5 soil/water suspension Total organic carbon - high frequency induction furnace, volumetric Total nitrogen - semimicro Kjeldahl , automated colour Total phosphorus - X-ray fluorescence
P10_CF_C P10_CF_CS P10_CF_FS P10_CF_Z	Clay (%) - Coventry and Fett pipette method Coarse sand (%) - Coventry and Fett pipette method Fine sand (%) - Coventry and Fett pipette method Silt (%) - Coventry and Fett pipette method