Project Project Agency		Regional REG Site ID: CSIRO Division of Soils (Q		bservation I	ID: 1	
Site Inf	ormation					
Desc. By Date Des Map Ref Northing Easting/	y: N sc.: 1 f.: S g/Long.: 1 /Lat.: -′	И.D. Laffan 0/10/84 Sheet No. : 7963 1:100000 45.4638888888889 17.31666666666667	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data 1400 No Data Poorly draine	ed	
<u>Geolog</u> Exposu Geol. Re	reType: L ef.:	Indisturbed soil core QA	Conf. Sub. is Pare Substrate Materia	ı l: Ur	o Data ndisturbed soil core, Unconsolida aterial (unidentified)	ited
Morph. Elem. Ty Slope:	be Class: L Type: N ype: F	∟evel plain <9m <1% No Data Plain <1 % dition (dry): Firm	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data 0 degrees		
Erosior	n:					
	assificatio	n				
Australia Melacic I ASC Co All nece Site Dis	an Soil Clas Dermosolic I onfidence: essary analyt sturbance:	— ssification: Redoxic Hydrosol tical data are available. <u>:</u> No effective disturbance. Natura	Princi Great al	ing Unit: pal Profile Fo Soil Group:	N/A rm: Uf6.41 Humic gley	
Vegeta	tion:	Low Strata - Sod grass, , . *Spe	ecies includes - None	e recorded		
Surface	e Coarse F	Fragments: No surface coarse	fragments			
Profile	Morpholo	av				
A11	0 - 0.1 m		f structure, 10-20 mn	n, Polyhedral; I	10% , 0-5mm, Faint; Silty light cla Moderate grade of structure, 5-10 any, fine (1-2mm) roots;	
A11	0.1 - 0.2 m	(Heavy); Moderate grade of	f structure, 10-20 mn	n, Polyhedral; N	10% , 0-5mm, Faint; Silty light cla Moderate grade of structure, 5-10 any, fine (1-2mm) roots; Gradual,)
A12	0.2 - 0.3 m	Distinct; Silty light clay (Hea	avy); Moderate grade e, 5-10 mm, Granula	e of structure, 1 r; Smooth-ped	Distinct; , 10-20% , 0-5mm, 10-20 mm, Subangular blocky; fabric; Moist; Firm consistence;	
AB	0.3 - 0.4 m	Silty medium clay; Moderate	e grade of structure, r blocky; Smooth-pe	20-50 mm, Pri	nct; , 20-50% , 0-5mm, Distinct; ismatic; Moderate grade of Firm consistence; Common, fine	•
B1g	0.4 - 0.6 m	clay; Strong grade of struc	ture, 20-50 mm, Pris	matic; Modera	20-50% , 0-5mm, Distinct; Mediu te grade of structure, 5-10 mm, common, very fine (0-1mm) roots;	
B1g	0.6 - 0.75 n	clay; Strong grade of struc	ture, 20-50 mm, Pris d fabric; Moist; Firm	matic; Moderat	20-50% , 0-5mm, Distinct; Mediu te grade of structure, 5-10 mm, common, very fine (0-1mm) roots;	
B2g	0.75 - 0.9 n	Distinct; Sandy medium cla	y; Moderate grade o gular blocky; Smooth	f structure, 20- -ped fabric; Mo	50 mm, Prismatic; Moderate grac bist; Firm consistence; Few	de

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- B2g 0.9 1.2 m Greyish brown (10YR5/2-Moist); , 7.5YR58, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Sandy medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Firm consistence; Few cutans, <10% of ped faces or walls coated, faint; Few, very fine (0-1mm) roots; Gradual, Wavy change to -
- B3g 1.2 1.5 m Grey (10YR6/1-Moist); , 7.5YR58, 20-50%, 5-15mm, Distinct; , 20-50%, 5-15mm, Distinct; Sandy light clay (Light); Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few, very fine (0-1mm) roots;
- B3g 1.5 1.8 m Grey (10YR6/1-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Sandy light clay (Light); Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few, very fine (0-1mm) roots;
- B3g 1.8 1.9 m Grey (10YR6/1-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Sandy light clay (Light); Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few, very fine (0-1mm) roots; Clear, Wavy change to -
- 2Bgb 1.9 2.1 m Grey (10YR5/1-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Silty light clay (Heavy); Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; Few cutans, <10% of ped faces or walls coated, faint; Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

PARENT MATERIAL RECENT ALLUVIUM FROM RHYOLITE AN MINOR GRANITE OVERLYING GRANITIC ALLUVIUM AT 75CM:

Site Notes

CARRINGTON

Project Name:	Regional				
Project Code:	REG	Site ID:	T397	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (C	LD)		

Laboratory Test Results:

Depth	рН	1:5 EC		hangeabl Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	a	Mg	N	Cmol				%
0 - 0.1	3.9D 5A	0.094A	2.7H	1.9	0.48	0.07	2.73F	7.5A 21C	7.9F	0.93 0.33
0.1 - 0.2	5.2A	0.033A								
0.2 - 0.3	3.9D	0.027A	1.55H	1.67	0.28	0.17	3.02F	5.5A	6.7F	3.09
	5.3A							15C		1.13
0.3 - 0.4	5.5A	0.019A								
0.4 - 0.6	3.9D	0.017A	0.87H	1.67	0.26	0.15	2.18F	4.5A	5.1F	3.33
	5.6A							8C		1.88
0.6 - 0.75	5.7A	0.016A								
0.75 - 0.9	4.1D	0.016A	0.49H	1.34	0.15	0.13	1.11F	3.1A	3.2F	4.19
	5.8A							6C		2.17
0.9 - 1.2	5.7A	0.023A								
1.2 - 1.5	5.6A	0.027A								
1.5 - 1.8	5.8A	0.029A								
10 10	61	0.024.4								

1.8 - 1.9 6A 0.024A 1.9 - 2.1 6.2A 0.028A

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysis	5
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1		4.75C	34B	0.046A	0.33A	2.3A		0	2A	10	34	54
0.1 - 0.2												
0.2 - 0.3			8B					0	6A	14	38	42
0.3 - 0.4												
0.4 - 0.6		0.61C		0.01A		2.74A		0	5A	19	35	41
0.6 - 0.75												
0.75 - 0.9		0.27C		0.009A		2.88A		0	18A	30	21	32
0.9 - 1.2												
1.2 - 1.5								17	50A	14	9	27
1.5 - 1.8												
1.8 - 1.9												
1.9 - 2.1												

Depth	COLE	Gravimetric/Volumetric Water Contents								K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m3	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.75 0.75 - 0.9 0.9 - 1.2 1.2 - 1.5 1.5 - 1.8 1.8 - 1.9 1.9 - 2.1										

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Observation ID: 1

Laboratory Analyses Completed for this profile

10A1 15A2_CEC 15D1_CEC 15E1_CA 15E1_K 15E1_MG 15E1_NA 15G_C	Total sulfur - X-ray fluorescence 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; manual leach Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15J1	Effective CEC
17A1	Total potassium - X-ray fluorescence
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4C1	pH of 1:5 soil/1M potassium chloride extract - direct
5A2	Chloride - 1:5 soil/water extract, automated colour
6B3	Total organic carbon - high frequency induction furnace, infrared
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9A1	Total phosphorus - X-ray fluorescence
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
9H1	Phosphate retention
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P10_GRAV	Gravel (%)