Projec	et Name: et Code: ey Name:	MA MA CS	R	Site ID: on of Soils (Q	B314 ILD)	0	bservatio	on ID:	1	
Desc. E Date De Map Re	esc.: ef.: ng/Long.: g/Lat.:	C.H. 08/06 Sheet 145.4	Thompson 5/57 t No. : 7963 66666666667 230555555555		Locality: Elevation: Rainfall: Runoff: Drainage:		413 met 914 Slow Imperfect		d	
	ireType:	Soil p No D			Conf. Sub. Substrate				a poring, 2 m deep,Uncor I (unidentified)	nsolidated
<u>Land F</u> Rel/Slo		Gent 1-3%	ly undulating	plains <9m	Pattern Ty	pe:	Plain			
Morph. Elem. T Slope: <u>Surfac</u>		No D No D 0 %	ata		Relief: Slope Cate Aspect:	egory:	No Data No Data No Data			
<u>Erosio</u> Soil Cl	o <u>n:</u> Iassificati	ion								
Australian Soil Classification: Mapping Unit: N/A Bleached-Vertic Hypocalcic Red Chromosol Principal Profile Form: Dr2.42 ASC Confidence: Great Soil Group: Solodic soil All necessary analytical data are available. Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus papuana, Grevillea striata										
		Frag		surface coarse				ucaryptus	s leptophleba, Eucalypt	us polycalpa
A1	e Morphol 0 - 0.03 n		100mm2) V	ery fine (0.075-	1mm) macrop	oores, D	ry; Weak c	onsisten	nde of structure; Few (< ce; Very few (0 - 2 %), eter); Abrupt change to	•
A2	0.03 - 0.1	3 m	structure; M 10%, fine gr	any (>5 per 10	0mm2) Very f Quartz, coars	ine (0.07 se fragm	75-1mm) m ients; Few	acropore (2 - 10 %	im (Heavy); Massive gr es, Dry; Firm consistend b), Ferromanganiferous	ce; 2-
B1	0.13 - 0.1	6 m	grade of stru consistence	ucture; Few (<1 ; 0-2%, fine gra	l per 100mm2 avelly, 2-6mm	2) Very fi , Quartz	ne (0.075- ⁻ , coarse fra	1mm) ma agments;	am, Angular blocky; Ma acropores, Dry; Very fin Very few (0 - 2 %), eter); Abrupt change to	m
B21	0.16 - 0.3	36 m	Angular bloo Very firm co	cky; Many (>5 p	oer 100mm2) 0%, fine grave	Very fine	e (0.075-1r	nm) mac	f structure, 20-50 mm, ropores, Moderately m fragments; Field pH 6.6	
B22	0.38 - 0.5	53 m	Angular blo		/ moist; Very f	firm cons	sistence; 0	-2%, fine	de of structure, 50-100 gravelly, 2-6mm, Quar	
B3	0.53 - 0.6	69 m	mm, Angula		rately moist; \	/ery firm	consisten	ce; 0-2%	grade of structure, 20- , fine gravelly, 2-6mm, to -	-50
2B2b	0.69 - 0.8	34 m	Olive brown Polyhedral;	(2.5Y3/3-Mois Moderately mo	t); , 10YR58; l vist; Firm cons	Light me istence;	edium clay; Field pH 7	Strong g .7 (pH m	rade of structure, 10-2 eter); Gradual change	0 mm, to -
2B2b	0.84 - 1.0)2 m	mm, Polyhe		ly moist; Firm				grade of structure, 10- 2 %), Calcareous, Fine	

Project Name:MARProject Code:MARSite ID:B314Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Observation Notes

<u>Site Notes</u> MAREEBA

Project Name:	MAR				
Project Code:	MAR	Site ID:	B314	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (Q	LD)		

Laboratory Test Results:

Depth	рН	1:5 EC		changeable		Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Acidity Cmol (+)/kg			%
0 - 0.03	6.1H	0.02B							
0.03 - 0.13	6H	0.01B	2K	0.84	0.24	0.05	4.9J		1.02
0.13 - 0.16	6.1H	0.01B							
0.16 - 0.36	6.6H	0.01B	9.8K	3.9	0.69	0.91	19.2J		4.74
0.38 - 0.53	6.5H	0.02B							
0.53 - 0.69	6.8H	0.05B							
0.69 - 0.84	7.7H	0.08B							
0.84 - 1.02	8.5H	0.1B	10.7K	1.3	0.27	1.9			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	article CS	Size A FS	Analysis Silt	s Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	one	oluy
0 - 0.03		1.57E		0.022F				1	13C	48	21	13
0.03 - 0.13		0.48E 0.37E	5C	0.028F	0.04B			5	16C	48	23	14
0.13 - 0.16								1	12C	37	23	29
0.16 - 0.36		0.24E		0.015F					5C	18	14	63
0.38 - 0.53												
0.53 - 0.69									11C	34	20	35
0.69 - 0.84												
0.84 - 1.02	0.280	2		0.033F				2	15C	31	24	33
Depth	COLE	Sat		metric/Volu		er Conte		Bar	K sa	at	K unsa	t

		•							
	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m			g/	/g - m3/m3	3			mm/h	mm/h

$\begin{array}{c} 0 - 0.03 \\ 0.03 - 0.13 \\ 0.13 - 0.16 \\ 0.16 - 0.36 \\ 0.38 - 0.53 \\ 0.53 - 0.69 \\ 0.69 - 0.84 \\ 0.84 - 1.02 \end{array}$

Project Name:	MAR		
Project Code:	MAR	Site ID:	B314
Agency Name:	CSIRO Divi	sion of Soils (C	(LD)

Observation ID: 1

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded