Proje	ct Code: 0	QUA QUA Site ID: CSIRO Division of Soils (TA		bservation ID:	1				
Desc. Date D Map R Northi Eastin	Desc.: 24   Ref.: Sh   ing/Long.: 14   ig/Lat.: -47	Loveday 1/02/54 neet No. : 8214 1:100000 16.93333333333 1.61666666666667	Locality: Elevation: Rainfall: Runoff: Drainage:	4.1km north of Br 200 metres 850 Moderately rapid Imperfectly draine					
<u>Geolo</u> Expos Geol. I	sureType: So	oil pit o Data	Conf. Sub. is Pare Substrate Materia		а				
Morph Elem. Slope: <u>Surfa</u>	ope Class: No n. Type: Mi Type: Hi : 0 <sup>0</sup> ce Soil Cond		Pattern Type: Relief: Slope Category: Aspect:	Low hills No Data Very gently slope No Data	d				
Erosi Soil C	<u>on:</u> Classification								
Austra Haplic ASC (	alian Soil Class Eutrophic Red Confidence:	sification:	Princi	ing Unit: pal Profile Form: Soil Group:	N/A Uf Krasnozem				
	, ,	Complete clearing. Pasture, nat	ive or improved, cult	ivated at some stag	je				
	tation:								
	<u>ce Coarse Fr</u> e Morpholog								
A	0 - 0.064 m	Dark reddish brown (5YR3/4 consistence; Very few (0 - 2							
A	0.064 - 0.11				, Granular; Moderately moist; Concretions; Sharp change				
В	0.13 - 0.23 n	blocky; , Ġranular; Moist; Ŵ	Dark red (2.5YR3/6-Moist); , 5YR33; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; , Granular; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Concretions; Diffuse change to -						
В	0.23 - 0.36 n	Angular blocky; , Granular; I	Dark red (2.5YR3/6-Moist); , 5YR33, 2-10% ; , 2-10% ; Heavy clay; Weak grade of structure, Angular blocky; , Granular; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Concretions; Diffuse change to -						
В	0.38 - 0.46 n	n Red (2.5YR4/6-Moist); ; Hea Diffuse change to -	avy clay; Massive gra	ade of structure; Mo	sist; Weak consistence;				
BC	0.48 - 0.58 n	n Red (2.5YR4/8-Moist); , 2.5 change to -	Y74; , N80; Heavy cl	lay; Moderately moi	st; Weak consistence; Diffuse				
С	0.61 - 0.74 n	n Black (5Y2/2-Moist); , 2.5YF coarse fragments; Diffuse c		derately moist; Wea	ak consistence; 0-2%, Gravel,				
С	0.74 - 0.91 n	n Black (5Y2/2-Moist); , 10YR fragments; Diffuse change t		st; Weak consistenc	e; 0-2%, Gravel, coarse				
С	0.91 - 1.04 n	n Black (5Y2/2-Moist); , 10YR	256; , 2.5YR66; Mode	erately moist; Weak	consistence;				
	1.37 - 1.52 m	n Yellowish brown (10YR5/6-I	Moist); ; Firm consist	tence;					
	2.39 - 2.49 n	n ;							
<u>Morp</u>	hological Not								
Ohse	rvation Notes	Soft mealy weathered basalt	[						
0030		<u>×</u>							

Observation Notes VERY OCCASIONAL BA FLOATERS IN PROFILE:74-249CM MEALY W'D BA WITH SOME SOFT MINERALS RETAINING SOME OF ITS BA STRUCTURE

Project Name: QUA Project Code: QUA Site ID: H91 Agency Name: CSIRO Division of Soils (TAS)

Observation ID: 1

Site Notes WESTBURY

Project Name:	QUA				
Project Code:	QUA	Site ID:	H91	Observation ID:	1
Agency Name:	CSIRO Divisio	n of Soils (1	AS)		

## Laboratory Test Results:

Depth	рН	1:5 EC	Exc Ca	changeabl Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou	ing	N	Cmol				%
0 - 0.064	6.2A		15H	21.4	0.39	0.02	9H 16.5E		53.3B	
0.064 - 0.11	6.2A							42.5C		
0.13 - 0.23	6A		11.2H	26.8	0.16	0.14	7.9H 16.8E		55.1B	
0.23 - 0.36	5.8A									
0.38 - 0.46	5.6A						7.5H	57C		
0.48 - 0.58	5.4A									
0.61 - 0.74	5.3A						7.5H	80C		
0.74 - 0.91	5.7A									
0.91 - 1.04	6A									
1.37 - 1.52	6.2A									
2.39 - 2.49	6.3A									

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size A	nalysis	5
		С	P	Р	N	к	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.064		3.7D		0.091D	0.35A			1	4D	15	25	48
0.064 -		2.3D			0.218A							
0.11												
0.13 - 0.23		1.2D		0.053D	0.126A			0	3D	8	11	77
0.23 - 0.36												
0.38 - 0.46		0.9D		0.045D	0.067A			0	2B	8	17	72
0.48 - 0.58												
0.61 - 0.74								1	8D	31	18	42
0.74 - 0.91												
0.91 - 1.04												
1.37 - 1.52												
2.39 - 2.49												
Depth	COLE		Gravi	metric/Volu	metric Wate	er Contei	nts		Ks	at	K unsa	t

Dopui	UULL						it out	it anout		
		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

0 - 0.064 0.064 - 0.11 0.13 - 0.23 0.23 - 0.36 0.38 - 0.46 0.48 - 0.58 0.61 - 0.74 0.74 - 0.91 0.91 - 1.04 1.37 - 1.52 2.39 - 2.49

Project Name:	QUA		
Project Code:	QUA	Site ID:	H91
Agency Name:	CSIRO Div	ision of Soils (T	'AS)

## Observation ID: 1

## Laboratory Analyses Completed for this profile

15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCI Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9A_HCL	Total element - P(%) - By boiling HCl
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette