Projec	t Code:	EAR EAR Site ID: CSIRO Division of Soils (Q		Observation ID:	1			
Desc. E Date De Map Re	esc.: 21 ef.: Si ng/Long.: 14 g/Lat.: -2	.J. Coventry 1/08/79 heet No. : 8057 1:100000 45.863888888889 20.2305555555556	Locality: Elevation: Rainfall: Runoff: Drainage:	CSIRO Experime No Data 650 No Data No Data	ental Area.			
	ureType: S	oil pit Io Data	Conf. Sub. is Pare Substrate Materia	ta ta				
Morph. Elem. 1 Slope: <u>Surfac</u> Erosic	pe Class: N Type: N Type: N 0 ce Soil Conc on:	lo Data lo Data lo Data % dition (dry): N/A	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data				
	lassificatior	-						
Haplic I ASC C No ana		Red Kandosol re available but confidence is fair	Princ Great	ing Unit: ipal Profile Form: t Soil Group:	N/A Gn2.11 Red earth			
		No effective disturbance other t	han grazing by hoof	ed animals				
Vegeta Surfac		ragments: No surface coarse	fragments					
	Morpholog							
A11	0 - 0.1 m	Dark reddish brown (5YR3/ grade of structure; Earthy fa subrounded, Quartz, coarse	abric; Dry; Very firm	consistence; 0-2%,	medium gravelly, 6-20mm,			
A12	0.1 - 0.2 m	Earthy fabric; Dry; Very firm	Dark red (2.5YR3/6-Moist); Red (2.5YR4/6-Dry); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few, fine (1-2mm) roots; Gradual change to -					
A3	0.2 - 0.3 m	structure; Earthy fabric; Dry	Dark red (2.5YR3/6-Moist); Red (2.5YR4/6-Dry); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few, fine (1-2mm) roots;					
A3	0.3 - 0.4 m	Earthy fabric; Dry; Very firm	Dark red (10R3/6-Moist); Red (2.5YR4/6-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few, fine (1-2mm) roots; Gradual change to -					
В	0.4 - 0.6 m	Red (10R4/6-Moist); Red (2 Earthy fabric; Dry; Strong c coarse fragments; Few (2 - to -	onsistence; 0-2%, m	edium gravelly, 6-2	0mm, subrounded, Quartz,			
B21	0.6 - 0.9 m	Red (10R4/7-Moist); ; Sand strong consistence; 0-2%, r Few (2 - 10 %), Argillaceou	nedium gravelly, 6-2	20mm, subrounded,				
B22	0.9 - 1.2 m	Red (10R4/7-Moist); ; Light consistence; 0-2%, medium (10 - 20 %), Argillaceous, V	n gravelly, 6-20mm,	subrounded, Quartz	y fabric; Dry; Very strong z, coarse fragments; Common			
B22	1.2 - 1.5 m	Red (10R4/7-Moist); ; Light consistence; 0-2%, medium (10 - 20 %), Argillaceous, V	n gravelly, 6-20mm,	subrounded, Quartz	z, coarse fragments; Common			
B23	1.5 - 1.8 m	Red (10R4/6-Moist); , 10YF medium clay; Massive grad (20 - 50 %), Argillaceous, V	e of structure; Earth	y fabric; Dry; Very s				

Projec	ct Name: EA ct Code: EA cy Name: CS	
B23	1.8 - 2.1 m	Red (10R4/6-Moist); , 10YR71, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Many (20 - 50 %), Argillaceous, Very coarse (20 - 60 mm), Nodules;
B23	2.1 - 2.23 m	Red (10R4/6-Moist); , 10YR71, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Many (20 - 50 %), Argillaceous, Very coarse (20 - 60 mm), Nodules; Abrupt change to -
C1	2.23 - 2.4 m	Red (10R4/8-Moist); , 2.5YR48, 10-20% , 5-15mm, Distinct; , 10YR71, 10-20% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
C2	2.4 - 2.7 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
C2	2.7 - 3 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
C2	3 - 3.22 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;

Morphological Notes

Observation Notes

Site Notes

REDLANDS

Project Name:	EAR				
Project Code:	EAR	Site ID:	T353	Observation ID:	1
Agency Name:	CSIRO Divisior	n of Soils (C	QLD)		

Laboratory Test Results:

Depth	рН	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	u	9		Cmol				%
0 - 0.1	5.5A									
0.1 - 0.2 0.2 - 0.3	5.7A									
0.3 - 0.4	5.7A									
0.4 - 0.6	5.5A									
0.6 - 0.9	5.8A									
0.9 - 1.2										
1.2 - 1.5	5.7A									
1.5 - 1.8										
1.8 - 2.1	5.6A									
2.1 - 2.23										
2.23 - 2.4	5.4A									
2.4 - 2.7										
2.7 - 3	4.9A									
3 - 3.22	4.9A									

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysi	S
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1								1	46A	37	75	12
0.1 - 0.2								1	40A 44A			12
0.2 - 0.3								1	44A			16
0.3 - 0.4								1	40A			28
0.4 - 0.6								1	34A			41
0.6 - 0.9								2	26A			53
0.9 - 1.2								1	23A	21	1 8	48
1.2 - 1.5								1	19A	22	2 11	48
1.5 - 1.8								2	19A		-	54
1.8 - 2.1								3	19A			53
2.1 - 2.23								19	23A			48
2.23 - 2.4								13	26A		-	44
2.4 - 2.7								4	27A			44
2.7 - 3								1	33A		-	40
3 - 3.22								1	32A	24	4 6	38
Depth	COLE		Gravir	netric/Volu	umetric Wa	ter Contei	nts		K sa	at	K unsa	t
-		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 I	Bar				
m				g/g	- m3/m3				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 - 0.9												
0.9 - 1.2												
1.2 - 1.5												
1.5 - 1.8												

1.8 - 2.1 2.1 - 2.23 2.23 - 2.4

Project Name: Project Code:	EAR EAR	Site ID:	T353	Observation ID: 1
Agency Name:	CSIRO Divis	sion of Soils (C	QLD)	
2.4 - 2.7				

2.4 - 2.7 2.7 - 3 3 - 3.22

Project Name:	EAR		
Project Code:	EAR	Site ID:	T353
Agency Name:	CSIRO Div	vision of Soils (C	(LD)

Laboratory Analyses Completed for this profile

pH of 1:5 soil/water suspension
pH of 1:5 soil/water suspension

- 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 Gravel (%)
- 4A1 P10_CF_C P10_CF_CS P10_CF_FS P10_CF_Z P10_GRAV

Observation ID: 1