Projec	et Name: et Code: ey Name:	EAR EAR Site ID: CSIRO Division of Soils (Q		Observation ID:	1			
Desc. E Date D Map Re Northir Easting	esc.: 2 ef.: S ng/Long.: 1 g/Lat.: -2	R.J. Coventry 0/08/79 sheet No. : 8057 1:100000 45.8638888888889 20.23055555555556	Locality: Elevation: Rainfall: Runoff: Drainage:	CSIRO Experime No Data 650 No Data No Data	ental Area.			
<u>Geolo</u> Exposi Geol. F	ureType: S	Soil pit No Data	Conf. Sub. is Par Substrate Materia					
Rel/Slo Morph. Elem. 1 Slope: <u>Surfac</u>	Land Form Rel/Slope Class: No Data Morph. Type: No Data Elem. Type: No Data Slope: 0 % Surface Soil Condition (dry): N/A		Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data				
Erosic		_						
Austral Mottled ASC C	onfidence:		Princ Great	oing Unit: ipal Profile Form: t Soil Group:	N/A Gn2.14 Red earth			
		No effective disturbance other t	than grazing by hoof	ed animals				
Vegeta Surfac		ragments: No surface coarse	fragments					
	Morpholog		naginento					
A11	0 - 0.1 m	Dark reddish brown (5YR3/ grade of structure; Earthy fa	Dark reddish brown (5YR3/3-Moist); Reddish brown (5YR5/3-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 -					
A12	0.1 - 0.2 m	structure; Earthy fabric; Dry	Dark red (2.5YR3/6-Moist); Reddish brown (5YR5/4-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;					
A12	0.2 - 0.3 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	0.3 - 0.4 m	Earthy fabric; Dry; Very firm	Red (2.5YR4/6-Moist); Red (2.5YR5/6-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Diffuse change to -					
B1	0.4 - 0.5 m	structure; Earthy fabric; Dry subrounded, Quartz, coarse	Red (10R4/7-Moist); Red (2.5YR4/8-Dry); ; Clay loam, sandy (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -					
B2	0.5 - 0.6 m	consistence; 0-2%, coarse	Red (10R4/7-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;					
B2	0.6 - 0.9 m	Massive grade of structure	Red (10R4/7-Moist); , 5Y73, 0-2% , 5-15mm, Distinct; , 0-2% , 5-15mm, Distinct; Sandy light cla Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;					
B2	0.9 - 1.05 n		le of structure; Earth nded, Quartz, coarse	y fabric; Dry; Strong	consistence; 0-2%, coarse			

Project Na Project Co Agency Na	ode: EA							
B2 1.0	05 - 1.18 m	Dark red (10R3/6-Moist); , 5Y74, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;						
B2 1.1	18 - 1.3 m	Dark red (10R3/6-Moist); , 5Y74, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 10-20%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; Few (2 - 10%), Argillaceous, Coarse (6 - 20 mm), Nodules; Clear change to -						
C1 1.3	3 - 1.5 m	Red (10R4/8-Moist); , 10YR71, 2-10% , 15-30mm, Prominent; , 10YR56, 2-10% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;						
C1 1.5	5 - 1.8 m	Red (10R4/8-Moist); , 10YR71, 2-10% , 15-30mm, Prominent; , 10YR56, 2-10% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;						
C1 1.8	8 - 2.1 m	Red (10R4/8-Moist); , 10YR71, 10-20% , 15-30mm, Prominent; , 10YR56, 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;						
C1 2.1	1 - 2.4 m	Red (10R4/8-Moist); , 10YR71, 10-20% , 15-30mm, Prominent; , 10YR56, 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -						
C2 2.4	4 - 2.7 m	Red (10R4/8-Moist); , 10YR71, 2-10% , 15-30mm, Distinct; , 2-10% , 15-30mm, Distinct; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence;						
C2 2.7	7 - 3 m	Red (10R4/8-Moist); , 10YR71, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence;						
C2 3 -	- 3.3 m	Red (10R4/8-Moist); , 10YR71, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Diffuse change to -						
R 3.3	3 - 3.5 m	Rock						
Morpholog	gical Notes							

Observation Notes

Site Notes

REDLANDS

Project Name:	EAR				
Project Code:	EAR	Site ID:	T352	Observation ID:	1
Agency Name:	CSIRO Divisio	n of Soils (C	QLD)		

Laboratory Test Results:

Depth	рН	1:5 EC	Ca	Exchangeabl Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	•••	9		Cmol				%
0 - 0.1	5.6A									
0.1 - 0.2										
0.2 - 0.3	5.6A									
0.3 - 0.4										
0.4 - 0.5	5.5A									
0.5 - 0.6										
0.6 - 0.9	5.7A									
0.9 - 1.05	-									
1.05 - 1.18	5.9A									
1.18 - 1.3	0.07.									
1.3 - 1.5	5.5A									
1.5 - 1.8	0.0/1									
1.8 - 2.1										
2.1 - 2.4	5.3A									
2.4 - 2.7	0.0A									
	4.0.4									
2.7 - 3	4.9A									
3 - 3.3	4.9A									
3.3 - 3.5	5.1A									

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysis	6
		С	Р,	Р	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1								1	49A	36	4	10
0.1 - 0.2								1	49A	37		10
0.2 - 0.3								1	45A	40		10
0.3 - 0.4								2	47A	31	4	19
0.4 - 0.5								3	41A	22	4	34
0.5 - 0.6								2	40A	16	3	42
0.6 - 0.9								2	33A	16	5	45
0.9 - 1.05								3	25A	19	7	49
1.05 - 1.18								6	36A	14	6	44
1.18 - 1.3								19	30A	19	7	45
1.3 - 1.5								5	39A	17	4	40
1.5 - 1.8								4	40A	19	5	36
1.8 - 2.1								1	49A	20	3	27
2.1 - 2.4									53A	23	4	21
2.4 - 2.7								8	44A	17	4	35
2.7 - 3								1	42A	18	7	32
3 - 3.3								1	36A	15	9	40
3.3 - 3.5								1	31A	15	10	45
Depth	COLE		Gravim	etric/Volu	ımetric Wa	ter Conter	nts		K sa	ıt	K unsa	t
m		Sat.	0.05 Bar 0		0.5 Bar - m3/m3	1 Bar	5 Bar 15	Bar	mm/	h	mm/h	
0 - 0.1												
0.1 - 0.2												

0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6

Project Name: Project Code: Agency Name:	EAR EAR CSIRO Div	Site ID: ision of Soils (C	 Obs
0.6 - 0.9 0.9 - 1.05 1.05 - 1.18			
1.03 - 1.10			

 1.05 - 1.16

 1.18 - 1.3

 1.3 - 1.5

 1.5 - 1.8

 1.8 - 2.1

 2.1 - 2.4

 2.4 - 2.7

 2.7 - 3

 3 - 3.3

 3.3 - 3.5

servation ID: 1

Project Name:	EAR		
Project Code:	EAR	Site ID:	T352
Agency Name:	CSIRO Div	ision 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