

Project Name: EAR
Project Code: EAR **Site ID:** T347 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.J. Coventry	Locality:	
Date Desc.:	01/10/73	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 1:100000	Rainfall:	600
Northing/Long.:	145.193055555556	Runoff:	No Data
Easting/Lat.:	-20.727777777778	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Mesotrophic Brown Kandosol		Principal Profile Form:	Gn2.42
ASC Confidence:		Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Very sparse. *Species includes - Triodia pungens
Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); Brown (10YR5/3-Dry); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Diffuse change to -
A1/B1	0.1 - 0.2 m	Brown (10YR4/3-Moist); Brown (10YR5/3-Dry); ; Sandy clay loam (Light); Massive grade of structure; Dry; Weak consistence; Gradual change to -
B1	0.2 - 0.3 m	Yellowish brown (10YR5/4-Moist); Yellowish brown (10YR5/4-Dry); ; Sandy clay loam; Massive grade of structure; Dry; Weak consistence; Few (2 - 10 %), Ferruginous, , Nodules; Gradual change to -
B21	0.3 - 0.6 m	Dark yellowish brown (10YR3/6-Moist); Brownish yellow (10YR6/7-Dry); ; Sandy medium clay; Massive grade of structure; Dry; Loose consistence; 50-90%, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Nodules; Diffuse change to -
B22	0.6 - 0.9 m	Dark yellowish brown (10YR3/6-Moist); Brownish yellow (10YR6/7-Dry); , 10YR36, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Dry; Loose consistence; 50-90%, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Nodules;
B22	0.9 - 0.94 m	Dark yellowish brown (10YR3/6-Moist); Brownish yellow (10YR6/7-Dry); , 10YR36, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Dry; Loose consistence; 50-90%, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Nodules;

Morphological Notes

Observation Notes

SOME PIOTURBATION IN A1 AND B1 HORIZONS.

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			

0 - 0.1	6.1A
0.1 - 0.2	
0.2 - 0.3	6.3A
0.3 - 0.6	
0.6 - 0.9	6.7A
0.9 - 0.94	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1								5	37A	43	8	13
0.1 - 0.2								8	35A	42	7	17
0.2 - 0.3								6	36A	36	8	21
0.3 - 0.6								65	31A	32	8	29
0.6 - 0.9								62	26A	22	5	47
0.9 - 0.94								66	32A	20	6	42

[illegible]

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Laboratory Analyses Completed for this profile

2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
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 (%)