

Project Name: EAR
Project Code: EAR **Site ID:** T346 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.J. Coventry	Locality:	
Date Desc.:	04/09/73	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 1:100000	Rainfall:	600
Northing/Long.:	145.183333333333	Runoff:	No Data
Easting/Lat.:	-20.7305555555556	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
Bleached-Ferric Mesotrophic Brown Kandosol		Principal Profile Form:	Gn2.82
ASC Confidence:		Great Soil Group:	Grey earth

Analytical data are incomplete but reasonable confidence.

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
Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus similis, Eucalyptus setosa, Eucalyptus dichromophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); Grey (10YR5/1-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Loose consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Many, fine (1-2mm) roots;
A1	0.1 - 0.16 m	Very dark grey (10YR3/1-Moist); Grey (10YR5/1-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Loose consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Many, fine (1-2mm) roots; Gradual change to -
A2	0.16 - 0.2 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Few, fine (1-2mm) roots;
A2	0.2 - 0.3 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Few, fine (1-2mm) roots;
A2	0.3 - 0.6 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Few, fine (1-2mm) roots;
A2	0.6 - 0.69 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Few, fine (1-2mm) roots; Gradual change to -
B1	0.69 - 0.9 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); , 10YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Sandy light clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
B2	0.9 - 1.2 m	Brown (10YR5/3-Moist); , 10YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules;

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B2	1.2 - 1.42 m	Brown (10YR5/3-Moist); , 10YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B2	1.42 - 1.5 m	Light brownish grey (2.5Y6/2-Moist); , 7.5YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B2	1.5 - 1.8 m	Light brownish grey (2.5Y6/2-Moist); , 7.5YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
C	1.8 - 2.1 m	Light brownish grey (2.5Y6/2-Moist); , 10R36, 10-20% , 15-30mm, Prominent; , 7.5YR58, 10-20% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Rigid consistence; 2-10%, coarse gravelly, 20-60mm, subangular, Substrate material, coarse
C	2.1 - 2.4 m	Light brownish grey (2.5Y6/2-Moist); , 10R36, 10-20% , 15-30mm, Prominent; , 7.5YR58, 10-20% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Rigid consistence; 2-10%, coarse gravelly, 20-60mm, subangular, Substrate material, coarse
C	2.4 - 2.6 m	Light brownish grey (2.5Y6/2-Moist); , 10R36, 10-20% , 15-30mm, Prominent; , 7.5YR58, 10-20% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Rigid consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Substrate material, coarse

Morphological Notes

Observation Notes

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[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 (%)