

**Project Name:** EAR  
**Project Code:** EAR **Site ID:** T348 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	R.J. Coventry	<b>Locality:</b>	
<b>Date Desc.:</b>	31/10/73	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7956 1:100000	<b>Rainfall:</b>	600
<b>Northing/Long.:</b>	145.175555555556	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-20.7319444444445	<b>Drainage:</b>	No Data

**Geology**

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

**Land Form**

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

**Surface Soil Condition (dry):** N/A

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol	<b>Principal Profile Form:</b>	Gn2.14
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red earth

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  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Grevillea parallela, Gastrolobium grandiflorum  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus similis, Eucalyptus dichromophloia,

Eucalyptus whitei

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); Brown (7.5YR4/4-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, Charcoal, coarse fragments; Few, fine (1-2mm) roots; Abrupt change to -
A3	0.05 - 0.1 m	Dark red (2.5YR3/6-Moist); Yellowish red (5YR4/7-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very firm consistence;
A3	0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); Yellowish red (5YR4/7-Dry); , 0-0% ; , 0-0% ; Sandy loam (Heavy); Massive grade of structure; Dry; Very firm consistence;
A3	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); Yellowish red (5YR4/7-Dry); , 0-0% ; , 0-0% ; Sandy loam (Heavy); Massive grade of structure; Dry; Very firm consistence; Gradual change to -
B1	0.3 - 0.6 m	Red (10R4/7-Moist); Red (2.5YR4/8-Dry); , 0-0% ; , 0-0% ; Sandy clay loam; Massive grade of structure; Dry; Very strong consistence; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
B1	0.6 - 0.9 m	Red (10R4/7-Moist); Red (2.5YR4/8-Dry); , 0-0% ; , 0-0% ; Sandy clay loam (Heavy); Massive grade of structure; Dry; Very strong consistence; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -
B2	0.9 - 1.2 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy light clay; Massive grade of structure; Dry; Very strong consistence; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
B2	1.2 - 1.5 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy light clay; Massive grade of structure; Dry; Very strong consistence; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
B2	1.5 - 1.72 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy light clay; Massive grade of structure; Dry; Very strong consistence;
B2	1.72 - 1.8 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy light clay; Massive grade of structure; Dry; Very strong consistence;
B2	1.8 - 2.1 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments;

**Project Name:** EAR  
**Project Code:** EAR      **Site ID:** T348      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

B2	2.1 - 2.4 m	Red (10R4/7-Moist); , 0-0% ; , 0-0% ; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Gradual
BC	2.4 - 2.7 m	Dark red (10R3/6-Moist); , 7.5YR58, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
BC	2.7 - 3 m	Dark red (10R3/6-Moist); , 7.5YR58, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
BC	3 - 3.5 m	Dark red (10R3/6-Moist); , 7.5YR58, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
BC	3.5 - 4 m	Dark red (10R3/6-Moist); , 7.5YR58, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Gradual change to -
BC	4 - 4.5 m	Dark red (10R3/6-Moist); , 7.5YR58, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Gradual change to -
C	4.5 - 5 m	Red (10R4/8-Moist); , 2.5Y68, 0-2% , 0-5mm, Prominent; , 0-2% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence;
C	5 - 5.5 m	Red (10R4/8-Moist); , 2.5Y68, 0-2% , 0-5mm, Prominent; , 0-2% , 0-5mm, Prominent; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence;

#### **Morphological Notes**

#### **Observation Notes**

ARGILLACEOUS NODULES ARE RELATIVELY SOFT:

#### **Site Notes**

**Observation ID: 1**

[illegible]

**Project Name:** EAR  
**Project Code:** EAR      **Site ID:** T348      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

0.3 - 0.6  
0.6 - 0.9  
0.9 - 1.2  
1.2 - 1.5  
1.5 - 1.72  
1.72 - 1.8  
1.8 - 2.1  
2.1 - 2.4  
2.4 - 2.7  
2.7 - 3  
3 - 3.5  
3.5 - 4  
4 - 4.5  
4.5 - 5  
5 - 5.5

**Project Name:** EAR  
**Project Code:** EAR      **Site ID:** T348      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**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 (%)