

**Project Name:** EAR  
**Project Code:** EAR      **Site ID:** T350      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	R.J. Coventry	<b>Locality:</b>	CSIRO Experimental Area.
<b>Date Desc.:</b>	07/08/79	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057    1:100000	<b>Rainfall:</b>	650
<b>Northing/Long.:</b>	145.863888888889	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-20.230555555556	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	Soil pit	<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
Ferric Mesotrophic Brown Kandosol	<b>Principal Profile Form:</b>	Gn2.21
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow earth
No analytical data are available but confidence is fair.		

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.1 m	Brown (7.5YR5/4-Moist); Light yellowish brown (10YR6/4-Dry); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few, fine (1-2mm) roots; Diffuse change to -
A12	0.1 - 0.2 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few, fine (1-2mm) roots; Diffuse change to -
A3	0.2 - 0.3 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few, fine (1-2mm) roots; Gradual change to -
B1	0.3 - 0.4 m	Strong brown (7.5YR5/6-Moist); Reddish yellow (7.5YR6/6-Dry); , 2.5YR48, 2-10% , 5-15mm, Prominent; , 2-10% , 5-15mm, Prominent; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Diffuse change to -
B21	0.4 - 0.5 m	Strong brown (7.5YR5/7-Moist); , 2.5YR46, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Gradual change to -
B22	0.5 - 0.6 m	Strong brown (7.5YR5/7-Moist); , 2.5YR46, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B22	0.6 - 0.9 m	Strong brown (7.5YR5/7-Moist); , 2.5YR46, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Clear change to -
C1	0.9 - 0.96 m	Dark red (10R3/6-Moist); , 5Y72, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
C1	0.96 - 1.2 m	Dark red (10R3/6-Moist); , 5Y72, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules;

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C1	1.2 - 1.5 m	Yellowish red (5YR4/6-Moist); , 5Y72, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
C1	1.5 - 1.8 m	Yellowish red (5YR4/6-Moist); , 5Y72, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Rigid consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Clear, Irregular change to -
R1	1.8 - 2.09 m	Rock
R2	2.09 - 2.23 m	Rock

**Morphological Notes**

R2 Red and yellow weathered Igneous rock.

**Observation Notes**

**Site Notes**

REDLANDS

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

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 (%)