

**Project Name:** EAR  
**Project Code:** EAR **Site ID:** T353 **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>	21/08/79	<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
Haplic Mesotrophic Red Kandosol	<b>Principal Profile Form:</b>	Gn2.11
<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:

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

#### Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); Reddish brown (5YR4/4-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; Gradual change to -
A12	0.1 - 0.2 m	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	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); Red (2.5YR4/6-Dry); ; Sandy loam (Heavy); 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;
A3	0.3 - 0.4 m	Dark red (10R3/6-Moist); Red (2.5YR4/6-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few, fine (1-2mm) roots; Gradual change to -
B	0.4 - 0.6 m	Red (10R4/6-Moist); Red (2.5YR4/6-Dry); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -
B21	0.6 - 0.9 m	Red (10R4/7-Moist); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -
B22	0.9 - 1.2 m	Red (10R4/7-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Very coarse (20 - 60 mm), Nodules;
B22	1.2 - 1.5 m	Red (10R4/7-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Argillaceous, Very coarse (20 - 60 mm), Nodules; Diffuse change to -
B23	1.5 - 1.8 m	Red (10R4/6-Moist); , 10YR71, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Silty medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Many (20 - 50 %), Argillaceous, Very coarse (20 - 60 mm), Nodules;

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B23	1.8 - 2.1 m	Red (10R4/6-Moist); , 10YR71, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Many (20 - 50 %), Argillaceous, Very coarse (20 - 60 mm), Nodules;
B23	2.1 - 2.23 m	Red (10R4/6-Moist); , 10YR71, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Many (20 - 50 %), Argillaceous, Very coarse (20 - 60 mm), Nodules; Abrupt change to -
C1	2.23 - 2.4 m	Red (10R4/8-Moist); , 2.5YR48, 10-20% , 5-15mm, Distinct; , 10YR71, 10-20% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
C2	2.4 - 2.7 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
C2	2.7 - 3 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;
C2	3 - 3.22 m	Dark red (10R3/6-Moist); , 5Y72, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules;

#### **Morphological Notes**

#### **Observation Notes**

#### **Site Notes**

REDLANDS

**Observation ID: 1**

[illegible]

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2.4 - 2.7  
2.7 - 3  
3 - 3.22

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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 (%)