

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T246 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

#### Site Information

<b>Desc. By:</b>	R.F. Isbell	<b>Locality:</b>	Zoology experimental plots:
<b>Date Desc.:</b>	01/07/76	<b>Elevation:</b>	800 metres
<b>Map Ref.:</b>	Sheet No. : 8063 1:100000	<b>Rainfall:</b>	1400
<b>Northing/Long.:</b>	145.6	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-17.1833333333333	<b>Drainage:</b>	Well drained

#### Geology

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Cza	<b>Substrate Material:</b>	Basalt

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5.5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Soft

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn4.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Krasnozern

No analytical data are available but confidence is fair.

**Site Disturbance:** No effective disturbance. Natural

#### Vegetation:

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

#### Profile Morphology

A1	0 - 0.1 m	Very dusky red (2.5YR2/2-Moist); ; Loam; Weak grade of structure, 2-5 mm, Granular; Loose consistence; AbundantGradual change to -
	0.1 - 0.2 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam (Light); Weak grade of structure, 10-20 mm, Angular blocky; Weak consistence; ManyGradual change to -
	0.2 - 0.3 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam (Light); Weak grade of structure, 10-20 mm, Angular blocky; Weak consistence; CommonGradual change to -
	0.3 - 0.6 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam (Light); Weak grade of structure, 10-20 mm, Angular blocky; Medium (2-5mm) macropores, Weak consistence; FewGradual change to -
	0.6 - 0.9 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Medium (2-5mm) macropores, Weak consistence; FewGradual change to -
	0.9 - 1.2 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; FewGradual change to -
	1.2 - 1.5 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; FewGradual change to -
	1.5 - 1.8 m	Dark reddish brown (2.5YR2/4-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; FewGradual change to -
	1.8 - 2.1 m	Dark reddish brown (2.5YR2/4-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; Few

#### Morphological Notes

#### Observation Notes

10-20CM SOME WORM CASTS:LAYER OF GRANULAR WORM CASTS (20MM) ON SURFACE:<2% 5MM QZ THROUGHOUT PROFILE:

#### 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			20.1H	8.64	0.58	0.04		19.8A	0.20
0.1 - 0.2				1.95	0.37	0.04		8.9A	0.45
0.2 - 0.3			4.01H	1.41		0.25		7.41A	3.37
0.3 - 0.6			2.25H	1.14	0.11	0.03		7.37A	0.41
0.6 - 0.9			1.82H	0.04		0.09		4.65A	1.94
0.9 - 1.2			0.86H	1.4	0.09	0.04		4.73A	0.85
1.2 - 1.5			0.86H	0.9		0.04		3.08A	1.30
1.5 - 1.8			0.97H	0.08		0.03		2.42A	1.24
1.8 - 2.1			0.67H	0.94		0.04		2.42A	1.65

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**Laboratory Analyses Completed for this profile**

15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15A2_CEC	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts