

Project Name: Regional
Project Code: REG **Site ID:** T245 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	Zoology experimental plots:4KM NE of Gadgarra Forestry Camp turnoff:
Date Desc.:	30/06/76	Elevation:	680 metres
Map Ref.:	Sheet No. : 8063 1:100000	Rainfall:	2030
Northing/Long.:	145.225	Runoff:	Rapid
Easting/Lat.:	-17.291666666667	Drainage:	Well drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	12.3 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Acidic Dystrophic Red Ferrosol	Principal Profile Form:	Gn3.11
ASC Confidence:	Great Soil Group:	Krasnozern

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: 0-2%, , , Basalt

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Granular; Very firm consistence; ManyGradual change to -
B1	0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); ; Clay loam (Heavy); Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; ManyGradual change to -
B1	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; CommonGradual change to -
B1	0.3 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Very firm consistence; FewGradual change to -
B2	0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Very firm consistence; FewGradual change to -
B2	0.9 - 1.2 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence; Gradual change to -
B2	1.2 - 1.5 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence;
	1.5 - 1.8 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence; Gradual change to -
	1.8 - 2.1 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Very firm consistence;

Morphological Notes

Observation Notes

1CM GRANULAR LAYER OF WORM CASTS ON SURFACE:90-180CM TUBULAR FRAGMENTS:180-210CM <2% W`D BA GRADING TO <20%:

Site Notes

GADGARRA

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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 Cmol (+)/kg	Acidity		%
0 - 0.1			3.04H	2.12	0.39	0.1		5.63A	1.78
0.1 - 0.2			0.08H	1.16	0.27	0.06		3.16A	1.90
0.2 - 0.3			0.11H	0.5	0.17	0.06		2.6A	2.31
0.3 - 0.6			<0.02H	0.21	0.1	0.04		0.1A	40.00
0.6 - 0.9			<0.02H	0.34	0.09	0.04		<0.1A	
0.9 - 1.2			<0.02H	0.18		0.03		0A	
1.2 - 1.5			<0.02H	0.57		0.04		<0.1A	
1.5 - 1.8			<0.02H	0.6		0.05		<0.1A	
1.8 - 2.1			<0.02H	0.56		0.05		<0.1A	

[illegible][illegible]

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Laboratory Analyses Completed for this profile

15A2_CEC	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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