

Project Name: FGR
Project Code: FGR **Site ID:** TL25 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	J.R. Sleeman	Locality:	Lat. - Long. approximated from bluecard and report.
Date Desc.:	28/06/53	Elevation:	909 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	144.333333333333	Runoff:	No Data
Easting/Lat.:	-19.8333333333333	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Sandstone

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.44
		Great Soil Group:	Red earth

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus dichromophloia, Eucalyptus citriodora

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Yellowish red (5YR5/6-Dry); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Charcoal, coarse fragments; Diffuse
A2	0.05 - 0.2 m	Red (2.5YR4/6-Dry); ; Loamy sand; Massive grade of structure; Weak grade of structure, 50-100 mm, Subangular blocky; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Charcoal, coarse fragments; Diffuse change to -
B1	0.2 - 0.45 m	Red (2.5YR4/8-Dry); ; Clay loam, sandy; Massive grade of structure; Moderately moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Charcoal, coarse fragments; Diffuse change to -
B21	0.45 - 0.66 m	Red (2.5YR4/8-Dry); ; Sandy clay loam; Massive grade of structure; Moderately moist; Firm consistence; Diffuse change to -
	0.66 - 1.2 m	Red (2.5YR4/8-Dry); ; Sandy clay loam; Massive grade of structure; Firm consistence; Diffuse change to -
B22	1.2 - 1.5 m	Red (2.5YR4/8-Dry); ; Sandy light clay; Massive grade of structure; Moderately moist; Firm consistence; Diffuse change to -
	1.5 - 2.05 m	Red (2.5YR4/8-Dry); ; Sandy light clay; Massive grade of structure; Firm consistence;

Morphological Notes

Observation Notes

LAYERS RE NUMBERED 16/10/92

Site Notes

HUGHENDEN

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	6.2A	0.007C	2.7H	1	0.09	0.09	7.8B			
0.05 - 0.2	6.1A	0.006C								
0.2 - 0.45	5.8A	0.005C	0.4H	1.1	0.06	0.06	2.9B			
0.45 - 0.66	6A	0.005C								
0.66 - 1.22	5.8A	0.005C	0.4H	1.4	0.03	0.03	3B			

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Laboratory Analyses Completed for this profile

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
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
P10_NR_C	Clay (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded