

Project Name: Regional
Project Code: REG **Site ID:** T358 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	M.G. Cannon	Locality:	6KM from Careeya Scougal Road turnoff:
Date Desc.:	23/09/85	Elevation:	No Data
Map Ref.:	Sheet No. : 8062 1:100000	Rainfall:	3500
Northing/Long.:	145.808333333333	Runoff:	Slow
Easting/Lat.:	-17.8861111111111	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Level
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Acidic Dystrophic Red Ferrosol	Principal Profile Form:	Gn3.11
ASC Confidence:	Great Soil Group:	No suitable group
Analytical data are incomplete but reasonable confidence.		

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.14 m	Reddish brown (2.5YR4/4-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; Common, fine (1-2mm) roots; Gradual, Wavy change to -
A3	0.14 - 0.29 m	Red (2.5YR4/6-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; Common, fine (1-2mm) roots; Gradual, Wavy change to -
B1	0.29 - 0.49 m	Dark red (2.5YR3/6-Moist); ; Clay loam (Heavy); Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; Few, fine (1-2mm) roots; Gradual change to -
B2	0.49 - 0.79 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence;
B2	0.79 - 0.95 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; Clear, Smooth change to -
2B	0.95 - 1.25 m	Red (2.5YR4/8-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments;
	1.25 - 1.49 m	Red (2.5YR4/8-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Gradual, Irregular change to -
2C	1.49 - 1.8 m	Red (2.5YR4/8-Moist); , 7.5YR81, 20-50% , 5-15mm, Prominent; , 7.5YR78, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations;

Morphological Notes

Observation Notes

Site Notes

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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
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
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	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15J1	Effective CEC
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6B3	Total organic carbon - high frequency induction furnace, infrared
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9B_9C	Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO ₃ extractable
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
9H1	Phosphate retention
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 (%)