

Project Name: RR
Project Code: RR **Site ID:** B548 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	Long. & Lat. approximate. Terrica Station.
Date Desc.:	01/12/65	Elevation:	No Data
Map Ref.:	Sheet No. : 9240 1:100000	Rainfall:	0
Northing/Long.:	151.483333333333	Runoff:	Moderately rapid
Easting/Lat.:	-28.516666666667	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cl+	Substrate Material:	Soil pit, 0.6 m deep, Metamorphic rock (unidentified)

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5.25 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Brown Sodosol		Principal Profile Form:	Dy3.42
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Tall Strata - Tree, , Isolated plants. *Species includes - Eucalyptus moluccana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Metamorphic rock (unidentified), coarse fragments; Field pH 6.6 (pH meter); Clear change to -
A2	0.1 - 0.25 m	Very pale brown (10YR7/4-Moist); , 10YR54, 10-20% , 0-5mm, Distinct; , 10YR72, 10-20% , 0-5mm, Distinct; Sandy loam; Massive grade of structure; Moist; Very weak consistence; Field pH 7.1 (pH meter); Sharp, Irregular change to -
B21	0.25 - 0.36 m	Yellowish brown (10YR5/4-Moist); , 2.5YR46, 10-20% , 5-15mm, Prominent; , 10YR52, 10-20% , 5-15mm, Prominent; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Field pH 7.1 (pH meter); Clear change to -
B22	0.36 - 0.51 m	Very pale brown (10YR7/4-Moist); , 10YR63; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; 2-10%, cobbly, 60-200mm, angular, Metamorphic rock (unidentified), coarse fragments; Field pH 6.6 (pH meter); Gradual change to -
BC	0.51 - 0.61 m	Very pale brown (10YR7/4-Moist); , 10YR63; Medium heavy clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Field pH 6.8 (pH meter);

Morphological Notes

Observation Notes

BC HORIZON IS GRADING TO WEATHERING ROCK:

Site Notes

TREVERTON

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Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%
0 - 0.1	6.6H	0.02B	4.1K	2.4	0.65	0.1	3D		
0.1 - 0.25	7.1H	0.01B	2.4K	1.9	0.28	0.15	1.2D		
0.25 - 0.36	7.1H	0.02B							
0.36 - 0.51	6.6H	0.04B	9.2K	9.2	0.46	2	1.1D		
0.51 - 0.61	6.8H	0.04B							

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		1.02A	4C	0.014F	0.112B				33C	37	12	14
0.1 - 0.25				0.008F	0.036B				33C	37	19	10
0.25 - 0.36				0.009F	0.062B							
0.36 - 0.51				0.009F	0.054B				11C	18	18	54
0.51 - 0.61				0.009F	0.034B							

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
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
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded