

Project Name: RR
Project Code: RR **Site ID:** B573 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/02/67	Elevation:	561 metres
Map Ref.:	Sheet No. : 9241 1:100000	Rainfall:	0
Northing/Long.:	151.526388888889	Runoff:	Rapid
Easting/Lat.:	-28.238888888889	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cl+	Substrate Material:	Soil pit, 0.42 m deep, Andesite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	91 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4.4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mesotrophic Mottled-Mesonatric Red Sodosol		Principal Profile Form:	Dr3.42
ASC Confidence:		Great Soil Group:	Solodic soil

All necessary analytical data are available.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, , . *Species includes - Aristida species
Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR4/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, coarse fragments; Field pH 6.4 (pH meter); Abrupt change to -
A21	0.08 - 0.1 m	Pale brown (10YR6/3-Moist); ; Fine sandy loam; Massive grade of structure; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, coarse fragments; Field pH 6.2 (pH meter); Clear change to -
A22	0.1 - 0.2 m	Very pale brown (10YR7/3-Moist); ; Fine sandy loam; Massive grade of structure; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, coarse fragments; Field pH 7 (pH meter); Clear change to -
B1	0.2 - 0.25 m	Red (2.5YR4/5-Moist); , 5YR56, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, coarse fragments; Field pH 6.8 (pH meter); Clear change to -
B2	0.25 - 0.3 m	Red (2.5YR4/6-Moist); , 2.5Y65, 20-50% , 0-5mm, Distinct; , 5YR54, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
B2	0.3 - 0.43 m	Red (2.5YR4/6-Moist); , 2.5Y65, 20-50% , 0-5mm, Distinct; , 5YR54, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -
C	0.43 - 0.53 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5Y62; Light clay; Massive grade of structure; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, angular, coarse fragments; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

43-53CM WEATHERED ROCK WITH LIGHT CLAY VEINS:

Site Notes

KARARA

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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 - 0.08	6.4H	0.012B	6.4K	1.6	0.55	0.09	2.4D		
0.08 - 0.1	6.2H	0.01B							
0.1 - 0.2	7H	0.012B	2.1K	1.6	0.19	0.31	0D		
0.2 - 0.25	6.8H	0.034B							
0.25 - 0.3	6.8H	0.041B							
0.3 - 0.43	6.5H	0.052B	2.2K	1.4	0.21	1.3	2.63D		
0.43 - 0.53	6.5H	0.065B							

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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
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
P10_GRAV	Gravel (%)
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
P3A_NR	Bulk density - Not recorded