Project Name: COL

Project Code: COL Site ID: B484 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: R.F. Isbell Locality:

 Date Desc.:
 20/07/61
 Elevation:
 No Data

 Map Ref.:
 Sheet No.: 8456
 1:100000
 Rainfall:
 0

 Northing/Long.:
 147.972222222222
 Runoff:
 Rapid

Easting/Lat.: -20.752777777778 Drainage: Moderately well drained

<u>Geology</u>

ExposureType: Soil pit Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: Plb Substrate Material: Soil pit, 0.6 m deep,Sandstone

Land Form

 Rel/Slope Class:
 No Data
 Pattern Type:
 No Data

 Morph. Type:
 Mid-slope
 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:Mapping Unit:N/AHaplic Eutrophic Red ChromosolPrincipal Profile Form:Dr2.32

ASC Confidence: Great Soil Group: Red-brown earth

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus, Aristida species

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Dark yellowish brown (10YR4/4-Moist); ; Fine sand; Massive grade of structure; Dry; Very Α1 0 - 0.15 m weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.2 (pH meter); Clear change to -Brown (7.5YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak A2 0.15 - 0.25 m consistence; Field pH 6 (pH meter); Abrupt change to -B2 0.25 - 0.46 m Reddish brown (5YR4/3-Moist); ; Medium clay; Weak grade of structure, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Sandstone, coarse fragments; Field pH 6.6 (pH meter); Gradual change to вС 0.46 - 0.66 m Dark reddish brown (5YR3/3-Moist); ; Light clay; Dry; Very firm consistence; 10-20%,

Sandstone, coarse fragments; Field pH 7.4 (pH meter);

Morphological Notes

Observation Notes

WEAK SPORADIC BLEACH AT BASE OF A2 HORIZON:

Site Notes

COLLINSVILLE

Project Name: Project Code: Agency Name: COL

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Laboratory Test Results:

Depth	pН	1:5 EC		eable Cations		Exchangeable	CEC		ECEC	1	ESP	
m		dS/m	Ca I	Иg	K	Na Cmol (+)	Acidity					%
		us/III				Cilioi (+	//kg					/0
0 - 0.15	6.2H	0.01B	2.1K	0.57	0.38	0.12	1.5D					
0.15 - 0.25	6H	0.01B										
0.25 - 0.46	6.6H	0.01B	10.4K	1.9	0.7	0.17	3.5D					
0.46 - 0.66	7.4H	0.02B	11.1K	1.9	0.47	0.21	1.6D					
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
200	000	C	P	P	N	K	Density	G۷	CS	FS	Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		0.38A	7C	0.015F	0.04	16B		2	4C	21	7	8
0.15 - 0.25			3C									
0.25 - 0.46		0.53A	3C		_			3	4C			44
0.46 - 0.66			4C	0.014F	-			11	13C	46	8	32
Depth	COLE	COLE Gravimetric/Volumetric Water Contents							K sat		K unsat	
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15	Bar				
m				g/s	g - m3/m	3			mm	/h	mm/h	

0 - 0.15 0.15 - 0.25 0.25 - 0.46 0.46 - 0.66

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Laboratory Analyses Completed for this profile

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded 15_NR_CA

15_NR_H

15_NR_K Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded 15 NR MG 15_NR_NA

2A1 Air-dry moisture content

3_NR Electrical conductivity or soluble salts - Not recorded

pH of soil - Not recorded 4_NR

Water soluble Chloride - Cl(%) - Not recordede 5_NR

Organic carbon - Walkley and Black 6A1 7_NR 9_NR Total nitrogen (%) - Not recorded Available P (mg/kg) - Not recorded Total element - P(%) - Not recorded 9A_NR

P10_GRAV Gravel (%)

P10_NR_C Clay (%) - Not recorded Coarse sand (%) - Not recorded P10_NR_CS Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded