COL **Project Name:**

Project Code: COL Site ID: B479 Observation ID: 1

CSIRO Division of Soils (QLD) Agency Name:

Site Information

Desc. By: Date Desc.: R.F. Isbell Locality:

Elevation: 20/07/61 No Data Sheet No.: 8456 1:100000 Map Ref.: Rainfall:

Northing/Long.: 147.91111111111 Runoff: Moderately rapid -20.7416666666667 Drainage: Imperfectly drained Easting/Lat.:

Geology

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

Geol. Ref.: Puw **Substrate Material:** Auger boring, 0.91 m deep, Unconsolidated

material (unidentified)

Land Form

Rel/Slope Class: No Data Pattern Type: Terrace (alluvial) Morph. Type: No Data Relief: No Data Elem. Type: Terrace flat Slope Category: No Data Aspect: No Data Slope: 0 %

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Haplic Hypocalcic Grey Chromosol **Principal Profile Form:** Dy2.33 Great Soil Group: **ASC Confidence:** Solodic soil

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Bothriochloa ewartiana, Heteropogon contortus

Tall Strata - Tree, , Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A	0 - 0.23 m	Brown (10YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.5 (pH meter); Abrupt change to -
B21	0.23 - 0.46 m	Brown (7.5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 7.5 (pH meter); Gradual change to -
B22	0.46 - 0.61 m	Brown (7.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 8.2 (pH meter); Gradual change to -
ВС	0.61 - 0.91 m	Brown (7.5YR4/4-Moist); ; Clay loam; Massive grade of structure; Dry; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.5 (pH meter); Gradual change to -
С	0.91 - 1.22 m	Dark yellowish brown (10YR4/4-Moist); ; Loam; Massive grade of structure; Dry; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter); Diffuse change to -
С	1.22 - 1.52 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

SPORADIC BLEACH AT BASE OF A HORIZON: CALCAREOUS SEGREGATIONS SOFT AND NODULAR:

Site Notes

COLLINSVILLE

Project Name: Project Code: Agency Name: COL

COL Site ID: B47
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Laboratory Test Results:

Depth	рН	1:5 EC		nangeable ⁄lg	Cations K	Na	Exchangeable Acidity	CEC		ECEC	E	ESP
m		dS/m		J		Cmol (-					,	%
0 - 0.23	6.5H	0.01B		2.6	0.41	0.16	3.2D					
0.23 - 0.46 0.46 - 0.61	7.5H 8.2H	0.01B 0.03B		7.3	0.61	0.4	2D					
0.61 - 0.91 0.91 - 1.22	8.5H 8.7H	0.04B 0.04B	9.6K	6.5	0.52	0.35	0D					
1.22 - 1.52	8.8H	0.04B 0.05B										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	l Bulk Density	Pa GV	rticle CS	Size FS	Analysis Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.23		0.53A	72C	0.041F	0.05	88B		0	4C	59	18	16
0.23 - 0.46 0.46 - 0.61		0.42A	151C					0	2C	39	15	43
0.61 - 0.91	0.580		617C	0.092F				0	2C	49	14	33
0.91 - 1.22 1.22 - 1.52												
Donath	001.5		0		la come más de 14	latan C	-44-		V :	_4	V	
Depth	COLE	Sat.	Gravi 0.05 Bar	0.1 Bar	lumetric V 0.5 Bar	1 Bar		Bar	Ks	at	K unsat	<u>.</u>
m				g/g	g - m3/m3	3			mm	/h	mm/h	

0 - 0.23 0.23 - 0.46 0.46 - 0.61 0.61 - 0.91 0.91 - 1.22 1.22 - 1.52

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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++) - med 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 19B_NR Calcium Carbonate (CaCO3) - Not recorded

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

Gravel (%)

P10_GRAV 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