CL **Project Name:**

Project Code: Site ID: B231 Observation ID: 1 CL

Agency Name: **CSIRO** Division of Soils (QLD)

Site Information

G.D. Hubble Locality:

Desc. By: Date Desc.: Elevation: 01/11/54 43 metres Map Ref.: Sheet No.: 9447 1:100000 Rainfall: 1143

Northing/Long.: 152.59555555556 Runoff: Moderately rapid Easting/Lat.: -25.2441666666667 Drainage: Imperfectly drained

<u>Geology</u>

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

Geol. Ref.: **Substrate Material:** Auger boring, 2 m deep, No Data Te

Land Form

Rel/Slope Class: Level plain <9m <1% Pattern Type: Plain Morph. Type: Elem. Type: No Data Relief: 30 metres **Slope Category:** No Data Plain Slope: 1 % Aspect: 0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Reticulate Mesotrophic Brown Kandosol Principal Profile Form: Gn2.74

ASC Confidence: Great Soil Group: Yellow podzolic

Analytical data are incomplete but reasonable confidence. soil

Site Disturbance:

Low Strata - Tussock grass, , Mid-dense. *Species includes - None recorded Vegetation:

Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None recorded Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - None Recorded

Dark grov (10VP4/1 Mojet): Loamy cand: Wook grade of structure 2.5 mm. Granular: Mojet:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 000 m

A1	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Loamy sand; Weak grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; Field pH 5.9 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.28 m	Pale brown (10YR6/3-Moist); ; Loamy sand; Massive grade of structure; Moist; Very weak consistence; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A22	0.3 - 0.53 m	Pale brown (10YR6/3-Moist); ; Sand (Heavy); Massive grade of structure; Moist; Very weak consistence; Field pH 6.2 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
А3	0.58 - 0.81 m	Brownish yellow (10YR6/5-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; Field pH 6.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B11	0.81 - 0.97 m	Reddish yellow (7.5YR6/8-Moist); , 5YR58; Sandy clay loam (Light); Massive grade of structure; Moist; Weak consistence; Field pH 6.2 (pH meter); Gradual change to -
B12	0.97 - 1.27 m	Reddish yellow (7.5YR6/8-Moist); ; Sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; Field pH 6 (pH meter); Diffuse change to -
B21	1.27 - 1.63 m	Strong brown (7.5YR5/8-Moist); , 2.5YR48, 20-50% , 5-15mm, Prominent; , 2.5Y63, 20-50% , 5-15mm, Prominent; Sandy medium clay (Heavy); Weak grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; Field pH 5.9 (pH meter); Diffuse change to -
B22	1.9 - 2.49 m	Grey (10YR6/1-Moist); , 2.5Y63, 20-50% , 5-15mm, Prominent; , 10R34, 20-50% , 5-15mm, Prominent; Heavy clay; Wet; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.7 (pH meter);

Morphological Notes

Observation Notes

0-8CM POROUS GRANULAR

Site Notes

HOWARD

Project Name: CL
Project Code: CL Site ID: B23
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Laboratory Test Results:

Depth	рН	1:5 EC		angeable (Cations K	Ex Na	changeable	CEC	E	CEC		ESP
m		dS/m	od IV	Mg	N.	Na Acidity Cmol (+)/kg					%	
0 - 0.08	5.9H	0.012B										
0.1 - 0.28	6H	0.007B										
0.3 - 0.53	6.2H	0.004B										
0.58 - 0.81	6.3H	0.005B										
0.81 - 0.97	6.2H	0.006B										
0.97 - 1.27	6H	0.008B										
1.27 - 1.63	5.9H	0.012B										
1.9 - 2.49	5.7H	0.014B										
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle S	Size A	nalysis	;
•		c	Р	Р	N	K	Density	G۷	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
						_						
0 - 0.08		1.31A	3C	0.009F	0.06	SB		0.4	36C	51	6	4
0.1 - 0.28		0.444						0.0	050	-4	-	0
0.3 - 0.53		0.11A						0.3	35C	51	7	6
0.58 - 0.81												
0.81 - 0.97 0.97 - 1.27		0.03A						0.7	30C	39	7	24
1.27 - 1.63		0.03A						0.7	300	39	1	24
1.9 - 2.49		0.02A						8	37C	9	4	50
1.9 - 2.49		0.02A						O	370	9	4	30
Depth COLE Gravimetric/Volumetric Water Contents K sat K u												
Depth	COLE								K sat		K unsat	
m		Sat.	0.05 Bar		0.5 Bar 1 Bar 5 Bar g - m3/m3			Bar	mm/h	mm/h		

0 - 0.08 0.1 - 0.28 0.3 - 0.53 0.58 - 0.81 0.81 - 0.97 0.97 - 1.27 1.27 - 1.63 1.9 - 2.49

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Laboratory Analyses Completed for this profile

Air-dry moisture content 2A1

3_NR Electrical conductivity or soluble salts - Not recorded

pH of soil - Not recorded 4_NR

5 NR

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

P10_GRAV

P10_NR_C Clay (%) - Not recorded

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