Project Name: LOC
Project Code: LOC **Site ID:** B1020 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	K.J. Smith	**Locality:**	
Date Desc.:	//	**Elevation:**	No Data
Map Ref.:	Sheet No. : 9342 1:100000	**Rainfall:**	0
Northing/Long.:	152.444444444444	**Runoff:**	No Data
Easting/Lat.:	-27.6277777777778	**Drainage:**	Moderately well drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Sandstone

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Mountains
Morph. Type:	Crest	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	6.6 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dr2.11
Great Soil Group: Red podzolic soil

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

Vegetation:
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.07 m	Very dark brown (10YR2/2-Moist); ; Sandy loam; Weak grade of structure, Subangular blocky; Moist; Weak consistence; Field pH 6 (pH meter); CommonClear change to -
A2	0.07 - 0.15 m	Dark reddish brown (5YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Field pH 5.8 (pH meter); FewGradual change to -
B21	0.15 - 0.4 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Field pH 5 (pH meter); FewDiffuse change to -
	0.4 - 0.5 m	Dark red (2.5YR3/6-Moist); , 5YR61, 0-2% , 5-15mm, Distinct; , 0-2% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, Angular blocky; Firm consistence; Field pH 5 (pH meter);
	0.5 - 0.8 m	;

Morphological Notes

Observation Notes

Site Notes
LOCKYER

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.08	5.9A	0.035A	5.2J	5.5	1.1	0.1		13.9F		0.72
0.08 - 0.15	5.6A	0.031A	4.5J	8.6	0.95	0.3		18.6F		1.61
0.15 - 0.25	5.3A	0.042A	5.3J	12.4	0.78	0.9		27.9F		3.23
0.25 - 0.3	5.1A	0.055A	4.6J	12.7	0.54	1.4		29.2F		4.79
0.3 - 0.5	5A	0.06A	4J	11.5	0.53	1.4		27.5F		5.09

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis		
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08												
0.08 - 0.15												
0.15 - 0.25												
0.25 - 0.3												
0.3 - 0.5												

Depth	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/g - m3/m3							mm/h	mm/h
0 - 0.08										
0.08 - 0.15										
0.15 - 0.25										
0.25 - 0.3										
0.3 - 0.5										

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_CEC	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiorea
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension