Project Name: LOC
Project Code: LOC **Site ID:** B903 **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.:	152.421388888889	**Runoff:**	No Data
Easting/Lat.:	-27.7861111111111	**Drainage:**	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Low hills
Morph. Type:	Crest	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	%	**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: Uf6.21
Great Soil Group: Euchrozem

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Dark reddish brown (5YR3/2-Moist); ; Light clay (Heavy); Strong grade of structure, 2-5 mm, Granular; 50-90%, Basalt, coarse fragments; Field pH 6.5 (pH meter); ManyClear change to -
B21	0.2 - 0.55 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay (Heavy); Strong grade of structure, 2-5 mm, Polyhedral; Very weak consistence; 20-50%, Basalt, coarse fragments; Field pH 5.5 (pH meter); Gradual change to -
B22	0.55 - 0.98 m	Dark red (2.5YR3/6-Moist); ; Light clay (Heavy); Strong grade of structure, 2-5 mm, Polyhedral; Moist; Very weak consistence; 20-50%, Basalt, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
B23	0.98 - 1.2 m	Yellowish red (5YR4/6-Moist); ; Light clay (Heavy); Moderate grade of structure, 2-5 mm, Polyhedral; Moist; 50-90%, Basalt, coarse fragments; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

98-120CM POCKETS OF RED CLAY BETWEEN WEATHERED BASALT INSITU; WAS LV91:

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 - 0.2	6.3A	0.222A	24.5J	10.5	2.2	0.21		30.2F		0.70
0.2 - 0.55	5.4A	0.095A	9.06J	7.6	0.96	0.31		21.4F		1.45
0.55 - 0.98	6.2A	0.06A	10.8J	11.1	0.17	0.63		26.7F		2.36
0.98 - 1.2	6.5A	0.048A	14.1J	14	0.16	0.63		30.1F		2.09

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2		7.2A	87B									
0.2 - 0.55			5B									
0.55 - 0.98												
0.98 - 1.2												

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 - 0.2										
0.2 - 0.55										
0.55 - 0.98										
0.98 - 1.2										

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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
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)