

Project Name: LOC
Project Code: LOC **Site ID:** B987 **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.:		Runoff:	No Data
Easting/Lat.:		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:	No Data
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	1.28 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dr2.41
		Great Soil Group:	Red podzolic soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.22 m	Brown (7.5YR5/4-Moist); ; Fine sandy loam; Weak grade of structure, Subangular blocky; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, Detrital sedimentary rock (unidentified), coarse fragments; CommonGradual change to -
A2	0.22 - 0.53 m	Yellowish red (5YR5/6-Moist); Light reddish brown (5YR6/4-Dry); ; Moderate grade of structure, Subangular blocky; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, Detrital sedimentary rock (unidentified), coarse fragments; Gradual change to -
B21	0.53 - 1.15 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, Detrital sedimentary rock (unidentified), coarse fragments; Few, coarse (>5mm) roots; Diffuse change to -
B22	1.15 - 1.33 m	Yellowish red (5YR4/6-Moist); , 7.5YR54; Medium clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, Detrital sedimentary rock (unidentified), coarse fragments; FewClear change to -
BC	1.33 - 1.7 m	Very pale brown (10YR7/4-Moist); , 5YR58; Medium clay; Strong grade of structure, Polyhedral; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Detrital sedimentary rock (unidentified), coarse fragments; Few, fine (1-2mm) roots; Abrupt change to -
R	1.7 - 1.8 m	Rock

Morphological Notes

R Sandstone.

Observation Notes

WAS LV372:

Site Notes

LOCKYER

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

10A1	Total sulfur - X-ray fluorescence
12_XRF_CU	Total element - Cu(mg/kg) - X-Ray Fluorescence
12_XRF_ZN	Total element - Zn(mg/kg) - X-Ray Fluorescence
15D1_CA	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_K	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_MG	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_NA	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15F1_CEC	Exchangeable bases by 0.01M (AgTU) ⁺ , no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiocyanate
15J1	Effective CEC
17A1	Total potassium - X-ray fluorescence
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
9A1	Total phosphorus - X-ray fluorescence
MIN_EC	Exchange Capacity - Mineralogy
XRD_C_II	Illite - X-Ray Diffraction
XRD_C_K2O	K ₂ O - X-Ray Diffraction or Clay Fraction (air dry)
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction
XRD_C_St	Smectite - X-Ray Diffraction