

Project Name: Regional
Project Code: REG **Site ID:** T95 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	1.6KM north of Yarraman Creek:44.8KM south of Charters Towers on InlandHighway:
Date Desc.:	09/02/70	Elevation:	244 metres
Map Ref.:	Sheet No. : 8157 1:100000	Rainfall:	610
Northing/Long.:	146.216666666667	Runoff:	Rapid
Easting/Lat.:	-20.4333333333333	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tf	Substrate Material:	Undisturbed soil core, Clay

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	6 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Crusty Grey Vertosol	Principal Profile Form:	Ug5.24
ASC Confidence:	Great Soil Group:	Grey clay
No analytical data are available but confidence is fair.		

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

Vegetation:

Mid Strata - Tree, 0.51-1m, Sparse. *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Acacia harpophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Many, fine (1-2mm) roots; Clear change to -
B21	0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); , 10YR32, 0-2% ; , 0-2% ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Many
B21	0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); , 10YR32, 0-2% ; , 0-2% ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; ManyDiffuse change to -
B22	0.3 - 0.6 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; FewDiffuse change to -
B23	0.6 - 0.9 m	Grey (10YR5/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Few, fine (1-2mm) roots;
B23	0.9 - 1.2 m	Grey (10YR5/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Few, fine (1-2mm) roots;
B23	1.2 - 1.5 m	Grey (10YR5/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Few, fine (1-2mm) roots; Diffuse change to -
B24	1.5 - 1.8 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence;
B24	1.8 - 2 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Few (2 - 10 %), Manganiferous, , Soft segregations;

Morphological Notes

Observation Notes

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150-180CM OCCASIONAL LARGE SHEAR PLANE -LENTICULAR STRUCTURE:

Site Notes

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Laboratory Analyses Completed for this profile